

Form 990
Department of the Treasury
Internal Revenue Service

Return of Organization Exempt From Income Tax
Under section 501(c), 527, or 4947(a)(1) of the Internal Revenue Code (except private foundations)
Do not enter social security numbers on this form as it may be made public.
Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public Inspection

A For the 2017 calendar year, or tax year beginning **JUL 1, 2017** and ending **JUN 30, 2018**

B Check if applicable: <input type="checkbox"/> Address change <input type="checkbox"/> Name change <input type="checkbox"/> Initial return <input type="checkbox"/> Final return/terminated <input type="checkbox"/> Amended return <input type="checkbox"/> Application pending	C Name of organization <div style="border: 1px solid black; padding: 2px;">CARNEGIE MELLON UNIVERSITY</div> Doing business as <div style="border: 1px solid black; padding: 2px;">5000 FORBES AVENUE</div> Number and street (or P.O. box if mail is not delivered to street address) Room/suite <div style="border: 1px solid black; padding: 2px;">PITTSBURGH, PA 15213</div> City or town, state or province, country, and ZIP or foreign postal code F Name and address of principal officer: FARNAM JAHANIAN <div style="border: 1px solid black; padding: 2px;">SAME AS C ABOVE</div>	D Employer identification number <div style="border: 1px solid black; padding: 2px;">25-0969449</div> E Telephone number <div style="border: 1px solid black; padding: 2px;">(412) 268-1358</div> G Gross receipts \$ 2,906,937,095. H(a) Is this a group return for subordinates? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No H(b) Are all subordinates included? <input type="checkbox"/> Yes <input type="checkbox"/> No If "No," attach a list. (see instructions) H(c) Group exemption number
I Tax-exempt status: <input checked="" type="checkbox"/> 501(c)(3) <input type="checkbox"/> 501(c) () (insert no.) <input type="checkbox"/> 4947(a)(1) or <input type="checkbox"/> 527 J Website: WWW.CMU.EDU		
K Form of organization: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Trust <input type="checkbox"/> Association <input type="checkbox"/> Other L Year of formation: 1900 M State of legal domicile: PA		

Part I Summary

1	Briefly describe the organization's mission or most significant activities: HIGHER EDUCATION AND RESEARCH.	
2	Check this box <input type="checkbox"/> if the organization discontinued its operations or disposed of more than 25% of its net assets.	
3	Number of voting members of the governing body (Part VI, line 1a)	48
4	Number of independent voting members of the governing body (Part VI, line 1b)	43
5	Total number of individuals employed in calendar year 2017 (Part V, line 2a)	14448
6	Total number of volunteers (estimate if necessary)	45
7a	Total unrelated business revenue from Part VIII, column (C), line 12	4,264,439.
7b	Net unrelated business taxable income from Form 990-T, line 34	-2,372,077.
8	Contributions and grants (Part VIII, line 1h)	513,171,107.
9	Program service revenue (Part VIII, line 2g)	786,005,894.
10	Investment income (Part VIII, column (A), lines 3, 4, and 7d)	118,531,504.
11	Other revenue (Part VIII, column (A), lines 5, 6d, 8c, 9c, 10c, and 11e)	759,646,905.
12	Total revenue - add lines 8 through 11 (must equal Part VIII, column (A), line 12)	2,177,355,410.
13	Grants and similar amounts paid (Part IX, column (A), lines 1-3)	183,354,387.
14	Benefits paid to or for members (Part IX, column (A), line 4)	0.
15	Salaries, other compensation, employee benefits (Part IX, column (A), lines 5-10)	738,481,012.
16a	Professional fundraising fees (Part IX, column (A), line 11e)	737,906.
b	Total fundraising expenses (Part IX, column (D), line 25) 27,822,773.	
17	Other expenses (Part IX, column (A), lines 11a-11d, 11f-24e)	819,876,272.
18	Total expenses. Add lines 13-17 (must equal Part IX, column (A), line 25)	1,742,449,577.
19	Revenue less expenses. Subtract line 18 from line 12	434,905,833.
20	Total assets (Part X, line 16)	3,781,707,782.
21	Total liabilities (Part X, line 26)	887,686,860.
22	Net assets or fund balances. Subtract line 21 from line 20	2,894,020,922.

Part II Signature Block

Under penalties of perjury, I declare that I have examined this return, including accompanying schedules and statements, and to the best of my knowledge and belief, it is true, correct, and complete. Declaration of preparer (other than officer) is based on all information of which preparer has any knowledge.

Sign Here	Signature of officer <div style="border: 1px solid black; padding: 2px;">ANGELA BLANTON, VP FOR FINANCE & CFO</div> Type or print name and title	Date <div style="border: 1px solid black; padding: 2px;">5/6/19</div>
Paid Preparer Use Only	Print/Type preparer's name <div style="border: 1px solid black; padding: 2px;">SUSAN M. KIRSCH</div> Preparer's signature <div style="border: 1px solid black; padding: 2px;">SUSAN M. KIRSCH</div> Date <div style="border: 1px solid black; padding: 2px;">5/6/19</div> Check if self-employed <input type="checkbox"/> PTIN <div style="border: 1px solid black; padding: 2px;">P00341397</div> Firm's name <div style="border: 1px solid black; padding: 2px;">SCHNEIDER DOWNS & CO., INC.</div> Firm's EIN <div style="border: 1px solid black; padding: 2px;">25-1408703</div> Firm's address <div style="border: 1px solid black; padding: 2px;">ONE PPG PLACE SUITE 1700 PITTSBURGH, PA 15222</div> Phone no. (412) 261-3644	

May the IRS discuss this return with the preparer shown above? (see instructions) ☒ Yes ☐ No

Part III Statement of Program Service AccomplishmentsCheck if Schedule O contains a response or note to any line in this Part III ☒ **X**

- 1** Briefly describe the organization's mission:
TO CREATE A TRANSFORMATIVE EDUCATIONAL EXPERIENCE FOR STUDENTS FOCUSED ON DEEP DISCIPLINARY KNOWLEDGE; PROBLEM SOLVING; LEADERSHIP, COMMUNICATION, AND INTERPERSONAL SKILLS; AND PERSONAL HEALTH AND WELL-BEING.
- 2** Did the organization undertake any significant program services during the year which were not listed on the prior Form 990 or 990-EZ? ☐ Yes ☒ No
 If "Yes," describe these new services on Schedule O.
- 3** Did the organization cease conducting, or make significant changes in how it conducts, any program services? ☐ Yes ☒ No
 If "Yes," describe these changes on Schedule O.
- 4** Describe the organization's program service accomplishments for each of its three largest program services, as measured by expenses. Section 501(c)(3) and 501(c)(4) organizations are required to report the amount of grants and allocations to others, the total expenses, and revenue, if any, for each program service reported.
- 4a** (Code:) (Expenses \$ 680,025,757. including grants of \$ 164,832,263.) (Revenue \$ 752,538,975.)
INSTRUCTION:

CARNEGIE MELLON IS A HYBRID OF A TECHNICAL INSTITUTE, FINE-ARTS CONSERVATORY AND TRADITIONAL RESEARCH UNIVERSITY, HAVING EVOLVED IN RESPONSE TO EMERGING SOCIAL NEEDS AND INTELLECTUAL DEVELOPMENT OF THE PAST CENTURY. UNITING TECHNOLOGY AND ARTS, FUSING THE PRACTICAL WITH THE IMAGINATIVE, MAINTAINING ITS EDUCATIONAL EMPHASIS ON DEVELOPING SKILLS TO SOLVE PROBLEMS.

INCLUDES 7 COLLEGES AND SCHOOLS OFFERING DEGREE PROGRAMS AND MORE THAN 100 MAJORS AND MINORS TO APPROXIMATELY 14,530 UNDERGRADUATES, GRADUATES AND DOCTORAL STUDENTS. INSTRUCTION INCLUDES ACADEMIC SUPPORT AND

- 4b** (Code:) (Expenses \$ 355,043,353. including grants of \$ 23,677,696.) (Revenue \$ 0.)
RESEARCH:

CARNEGIE MELLON HOLDS A PROUD VISION OF ITSELF AS A DISTINCTIVE AND DIFFERENT KIND OF RESEARCH UNIVERSITY WHERE NATIONALLY RECOGNIZED PROGRAMS FROM ACROSS THE LEADING DISCIPLINES, FROM COMPUTING AND ENGINEERING TO FINE ARTS, INTERSECT. IT IS A DECENTRALIZED COMMUNITY OF SCIENTISTS AND INTELLECTUALS, ARTISTS AND POLICYMAKERS, BUSINESS EXPERTS AND POETS. THE DIVERSE AND DECENTRALIZED COMMUNITY THAT CHARACTERIZES CARNEGIE MELLON CULTURE RESTS ON A SET OF CORE UNDERPINNINGS AND A STRONG COMMITMENT TO REAL-WORLD PROBLEM SOLVING, INTERDISCIPLINARY COLLABORATION AND HARD WORK, COMBINED WITH JOIE DE VIVRE.

- 4c** (Code:) (Expenses \$ 115,660,137. including grants of \$ 0.) (Revenue \$ 72,669,849.)
AUXILIARY SERVICES:

SERVICES TO SUPPORT THE INSTRUCTION AND RESEARCH FUNCTIONS OF THE UNIVERSITY. THESE SERVICES INCLUDE BUT ARE NOT LIMITED TO HOUSING, DINING SERVICES, PARKING, BOOKSTORE, PRINTING, TELECOMMUNICATIONS, AND OTHER SERVICES RELATED TO THE DELIVERY OF EDUCATION.

- 4d** Other program services (Describe in Schedule O.)
 (Expenses \$ 21,031,723. including grants of \$ 0.) (Revenue \$ 13,620,608.)
- 4e** Total program service expenses **▶** 1,171,760,970.

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Part IV Checklist of Required Schedules

	Yes	No
1 Is the organization described in section 501(c)(3) or 4947(a)(1) (other than a private foundation)? <i>If "Yes," complete Schedule A</i>	1 X	
2 Is the organization required to complete <i>Schedule B, Schedule of Contributors</i> ?	2 X	
3 Did the organization engage in direct or indirect political campaign activities on behalf of or in opposition to candidates for public office? <i>If "Yes," complete Schedule C, Part I</i>	3	X
4 Section 501(c)(3) organizations. Did the organization engage in lobbying activities, or have a section 501(h) election in effect during the tax year? <i>If "Yes," complete Schedule C, Part II</i>	4 X	
5 Is the organization a section 501(c)(4), 501(c)(5), or 501(c)(6) organization that receives membership dues, assessments, or similar amounts as defined in Revenue Procedure 98-19? <i>If "Yes," complete Schedule C, Part III</i>	5	X
6 Did the organization maintain any donor advised funds or any similar funds or accounts for which donors have the right to provide advice on the distribution or investment of amounts in such funds or accounts? <i>If "Yes," complete Schedule D, Part I</i>	6	X
7 Did the organization receive or hold a conservation easement, including easements to preserve open space, the environment, historic land areas, or historic structures? <i>If "Yes," complete Schedule D, Part II</i>	7	X
8 Did the organization maintain collections of works of art, historical treasures, or other similar assets? <i>If "Yes," complete Schedule D, Part III</i>	8 X	
9 Did the organization report an amount in Part X, line 21, for escrow or custodial account liability, serve as a custodian for amounts not listed in Part X; or provide credit counseling, debt management, credit repair, or debt negotiation services? <i>If "Yes," complete Schedule D, Part IV</i>	9	X
10 Did the organization, directly or through a related organization, hold assets in temporarily restricted endowments, permanent endowments, or quasi-endowments? <i>If "Yes," complete Schedule D, Part V</i>	10 X	
11 If the organization's answer to any of the following questions is "Yes," then complete Schedule D, Parts VI, VII, VIII, IX, or X as applicable.		
a Did the organization report an amount for land, buildings, and equipment in Part X, line 10? <i>If "Yes," complete Schedule D, Part VI</i>	11a X	
b Did the organization report an amount for investments - other securities in Part X, line 12 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VII</i>	11b X	
c Did the organization report an amount for investments - program related in Part X, line 13 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part VIII</i>	11c	X
d Did the organization report an amount for other assets in Part X, line 15 that is 5% or more of its total assets reported in Part X, line 16? <i>If "Yes," complete Schedule D, Part IX</i>	11d	X
e Did the organization report an amount for other liabilities in Part X, line 25? <i>If "Yes," complete Schedule D, Part X</i>	11e X	
f Did the organization's separate or consolidated financial statements for the tax year include a footnote that addresses the organization's liability for uncertain tax positions under FIN 48 (ASC 740)? <i>If "Yes," complete Schedule D, Part X</i>	11f X	
12a Did the organization obtain separate, independent audited financial statements for the tax year? <i>If "Yes," complete Schedule D, Parts XI and XII</i>	12a	X
b Was the organization included in consolidated, independent audited financial statements for the tax year? <i>If "Yes," and if the organization answered "No" to line 12a, then completing Schedule D, Parts XI and XII is optional</i>	12b X	
13 Is the organization a school described in section 170(b)(1)(A)(ii)? <i>If "Yes," complete Schedule E</i>	13 X	
14a Did the organization maintain an office, employees, or agents outside of the United States?	14a X	
b Did the organization have aggregate revenues or expenses of more than \$10,000 from grantmaking, fundraising, business, investment, and program service activities outside the United States, or aggregate foreign investments valued at \$100,000 or more? <i>If "Yes," complete Schedule F, Parts I and IV</i>	14b X	
15 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of grants or other assistance to or for any foreign organization? <i>If "Yes," complete Schedule F, Parts II and IV</i>	15 X	
16 Did the organization report on Part IX, column (A), line 3, more than \$5,000 of aggregate grants or other assistance to or for foreign individuals? <i>If "Yes," complete Schedule F, Parts III and IV</i>	16 X	
17 Did the organization report a total of more than \$15,000 of expenses for professional fundraising services on Part IX, column (A), lines 6 and 11e? <i>If "Yes," complete Schedule G, Part I</i>	17 X	
18 Did the organization report more than \$15,000 total of fundraising event gross income and contributions on Part VIII, lines 1c and 8a? <i>If "Yes," complete Schedule G, Part II</i>	18 X	
19 Did the organization report more than \$15,000 of gross income from gaming activities on Part VIII, line 9a? <i>If "Yes," complete Schedule G, Part III</i>	19	X

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Part IV Checklist of Required Schedules (continued)

	Yes	No
20a Did the organization operate one or more hospital facilities? If "Yes," complete Schedule H		X
20b If "Yes" to line 20a, did the organization attach a copy of its audited financial statements to this return?		
21 Did the organization report more than \$5,000 of grants or other assistance to any domestic organization or domestic government on Part IX, column (A), line 1? If "Yes," complete Schedule I, Parts I and II	X	
22 Did the organization report more than \$5,000 of grants or other assistance to or for domestic individuals on Part IX, column (A), line 2? If "Yes," complete Schedule I, Parts I and III	X	
23 Did the organization answer "Yes" to Part VII, Section A, line 3, 4, or 5 about compensation of the organization's current and former officers, directors, trustees, key employees, and highest compensated employees? If "Yes," complete Schedule J	X	
24a Did the organization have a tax-exempt bond issue with an outstanding principal amount of more than \$100,000 as of the last day of the year, that was issued after December 31, 2002? If "Yes," answer lines 24b through 24d and complete Schedule K. If "No," go to line 25a	X	
24b Did the organization invest any proceeds of tax-exempt bonds beyond a temporary period exception?		X
24c Did the organization maintain an escrow account other than a refunding escrow at any time during the year to defease any tax-exempt bonds?		X
24d Did the organization act as an "on behalf of" issuer for bonds outstanding at any time during the year?		X
25a Section 501(c)(3), 501(c)(4), and 501(c)(29) organizations. Did the organization engage in an excess benefit transaction with a disqualified person during the year? If "Yes," complete Schedule L, Part I		X
25b Is the organization aware that it engaged in an excess benefit transaction with a disqualified person in a prior year, and that the transaction has not been reported on any of the organization's prior Forms 990 or 990-EZ? If "Yes," complete Schedule L, Part I		X
26 Did the organization report any amount on Part X, line 5, 6, or 22 for receivables from or payables to any current or former officers, directors, trustees, key employees, highest compensated employees, or disqualified persons? If "Yes," complete Schedule L, Part II		X
27 Did the organization provide a grant or other assistance to an officer, director, trustee, key employee, substantial contributor or employee thereof, a grant selection committee member, or to a 35% controlled entity or family member of any of these persons? If "Yes," complete Schedule L, Part III		X
28 Was the organization a party to a business transaction with one of the following parties (see Schedule L, Part IV instructions for applicable filing thresholds, conditions, and exceptions):		
28a A current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV		X
28b A family member of a current or former officer, director, trustee, or key employee? If "Yes," complete Schedule L, Part IV	X	
28c An entity of which a current or former officer, director, trustee, or key employee (or a family member thereof) was an officer, director, trustee, or direct or indirect owner? If "Yes," complete Schedule L, Part IV	X	
29 Did the organization receive more than \$25,000 in non-cash contributions? If "Yes," complete Schedule M	X	
30 Did the organization receive contributions of art, historical treasures, or other similar assets, or qualified conservation contributions? If "Yes," complete Schedule M	X	
31 Did the organization liquidate, terminate, or dissolve and cease operations? If "Yes," complete Schedule N, Part I		X
32 Did the organization sell, exchange, dispose of, or transfer more than 25% of its net assets? If "Yes," complete Schedule N, Part II		X
33 Did the organization own 100% of an entity disregarded as separate from the organization under Regulations sections 301.7701-2 and 301.7701-3? If "Yes," complete Schedule R, Part I	X	
34 Was the organization related to any tax-exempt or taxable entity? If "Yes," complete Schedule R, Part II, III, or IV, and Part V, line 1	X	
35a Did the organization have a controlled entity within the meaning of section 512(b)(13)?	X	
35b If "Yes" to line 35a, did the organization receive any payment from or engage in any transaction with a controlled entity within the meaning of section 512(b)(13)? If "Yes," complete Schedule R, Part V, line 2	X	
36 Section 501(c)(3) organizations. Did the organization make any transfers to an exempt non-charitable related organization? If "Yes," complete Schedule R, Part V, line 2		X
37 Did the organization conduct more than 5% of its activities through an entity that is not a related organization and that is treated as a partnership for federal income tax purposes? If "Yes," complete Schedule R, Part VI		X
38 Did the organization complete Schedule O and provide explanations in Schedule O for Part VI, lines 11b and 19?	X	

Note. All Form 990 filers are required to complete Schedule O

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Check if Schedule O contains a response or note to any line in this Part V

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Part VI Governance, Management, and Disclosure For each "Yes" response to lines 2 through 7b below, and for a "No" response to line 8a, 8b, or 10b below, describe the circumstances, processes, or changes in Schedule O. See instructions.Check if Schedule O contains a response or note to any line in this Part VI ☒**Section A. Governing Body and Management**

	1a	1b	Yes	No
1a Enter the number of voting members of the governing body at the end of the tax year If there are material differences in voting rights among members of the governing body, or if the governing body delegated broad authority to an executive committee or similar committee, explain in Schedule O.	48			
b Enter the number of voting members included in line 1a, above, who are independent		43		
2 Did any officer, director, trustee, or key employee have a family relationship or a business relationship with any other officer, director, trustee, or key employee?			X	
3 Did the organization delegate control over management duties customarily performed by or under the direct supervision of officers, directors, or trustees, or key employees to a management company or other person?				X
4 Did the organization make any significant changes to its governing documents since the prior Form 990 was filed?				X
5 Did the organization become aware during the year of a significant diversion of the organization's assets?				X
6 Did the organization have members or stockholders?				X
7a Did the organization have members, stockholders, or other persons who had the power to elect or appoint one or more members of the governing body?			X	
b Are any governance decisions of the organization reserved to (or subject to approval by) members, stockholders, or persons other than the governing body?				X
8 Did the organization contemporaneously document the meetings held or written actions undertaken during the year by the following:				
a The governing body?			X	
b Each committee with authority to act on behalf of the governing body?			X	
9 Is there any officer, director, trustee, or key employee listed in Part VII, Section A, who cannot be reached at the organization's mailing address? If "Yes," provide the names and addresses in Schedule O				X

Section B. Policies (This Section B requests information about policies not required by the Internal Revenue Code.)

	Yes	No
10a Did the organization have local chapters, branches, or affiliates?		X
b If "Yes," did the organization have written policies and procedures governing the activities of such chapters, affiliates, and branches to ensure their operations are consistent with the organization's exempt purposes?		
11a Has the organization provided a complete copy of this Form 990 to all members of its governing body before filing the form?	X	
b Describe in Schedule O the process, if any, used by the organization to review this Form 990.		
12a Did the organization have a written conflict of interest policy? If "No," go to line 13	X	
b Were officers, directors, or trustees, and key employees required to disclose annually interests that could give rise to conflicts?	X	
c Did the organization regularly and consistently monitor and enforce compliance with the policy? If "Yes," describe in Schedule O how this was done	X	
13 Did the organization have a written whistleblower policy?	X	
14 Did the organization have a written document retention and destruction policy?	X	
15 Did the process for determining compensation of the following persons include a review and approval by independent persons, comparability data, and contemporaneous substantiation of the deliberation and decision?		
a The organization's CEO, Executive Director, or top management official	X	
b Other officers or key employees of the organization	X	
If "Yes" to line 15a or 15b, describe the process in Schedule O (see instructions).		
16a Did the organization invest in, contribute assets to, or participate in a joint venture or similar arrangement with a taxable entity during the year?	X	
b If "Yes," did the organization follow a written policy or procedure requiring the organization to evaluate its participation in joint venture arrangements under applicable federal tax law, and take steps to safeguard the organization's exempt status with respect to such arrangements?	X	

Section C. Disclosure

- 17 List the states with which a copy of this Form 990 is required to be filed **PA**
- 18 Section 6104 requires an organization to make its Forms 1023 (or 1024 if applicable), 990, and 990-T (Section 501(c)(3)s only) available for public inspection. Indicate how you made these available. Check all that apply.
☐ Own website ☐ Another's website ☒ Upon request ☐ Other (explain in Schedule O)
- 19 Describe in Schedule O whether (and if so, how) the organization made its governing documents, conflict of interest policy, and financial statements available to the public during the tax year.
- 20 State the name, address, and telephone number of the person who possesses the organization's books and records: **CARRIE NELSON - (412)268-1358**
5000 FORBES AVENUE, PITTSBURGH, PA 15213

Part VII Compensation of Officers, Directors, Trustees, Key Employees, Highest Compensated Employees, and Independent Contractors

Check if Schedule O contains a response or note to any line in this Part VII

☒ X**Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees****1a** Complete this table for all persons required to be listed. Report compensation for the calendar year ending with or within the organization's tax year.

- List all of the organization's **current** officers, directors, trustees (whether individuals or organizations), regardless of amount of compensation. Enter -0- in columns (D), (E), and (F) if no compensation was paid.
 - List all of the organization's **current** key employees, if any. See instructions for definition of "key employee."
 - List the organization's five **current** highest compensated employees (other than an officer, director, trustee, or key employee) who received reportable compensation (Box 5 of Form W-2 and/or Box 7 of Form 1099-MISC) of more than \$100,000 from the organization and any related organizations.
 - List all of the organization's **former** officers, key employees, and highest compensated employees who received more than \$100,000 of reportable compensation from the organization and any related organizations.
 - List all of the organization's **former** directors or trustees that received, in the capacity as a former director or trustee of the organization, more than \$10,000 of reportable compensation from the organization and any related organizations.
- List persons in the following order: individual trustees or directors; institutional trustees; officers; key employees; highest compensated employees; and former such persons.

☐ Check this box if neither the organization nor any related organization compensated any current officer, director, or trustee.

(A) Name and Title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(1) JOEL P. ADAMS VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(2) LUIS H. BALL VOTING TRUSTEE	0.50 0.00	X						0.	0.	0.
(3) RONALD BIANCHINI JR. VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(4) KEITH BLOCK VOTING TRUSTEE	1.08 0.00	X						0.	0.	0.
(5) FRANK BRUNCKHORST VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(6) ERIC COOPER VOTING TRUSTEE	1.00 1.00	X						0.	0.	0.
(7) DAVID COULTER VOTING TRUSTEE	2.50 0.00	X						0.	0.	0.
(8) RUSSELL CROCKETT VOTING TRUSTEE	1.00 1.00	X						0.	0.	0.
(9) JEANNE CUNICELLI VOTING TRUSTEE	0.50 0.00	X						0.	0.	0.
(10) ERROLL B. DAVIS JR. VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(11) GLEN DE VRIES VOTING TRUSTEE	0.20 0.00	X						0.	0.	0.
(12) LINDA A. DICKERSON VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(13) FRANCISCO B. D'SOUZA VOTING TRUSTEE	5.00 0.00	X						0.	0.	0.
(14) HOWARD L. ELLIN VOTING TRUSTEE	5.00 0.00	X						0.	0.	0.
(15) YOSHIKI FUJIMORI VOTING TRUSTEE	0.50 0.00	X						0.	0.	0.
(16) ERIC GILER VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(17) EDWARD GREFFENSTETTE VOTING TRUSTEE	1.00 50.00	X						0.	1,021,423.	727,886.

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (do not check more than one box, unless person is both an officer and a director/trustee)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(18) IRA J. GUMBERG VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(19) JEFFREY HOUSENBOLD VOTING TRUSTEE	1.92 0.00	X						0.	0.	0.
(20) TORRENCE M. HUNT JR. VOTING TRUSTEE	3.00 0.00	X						0.	0.	0.
(21) LARRY E. JENNINGS JR. VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(22) BRUCE KRAUS EX-OFFICIO TRUSTEE	1.00 0.00	X						0.	0.	0.
(23) RAYMOND J. LANE VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(24) TIMOTHY S.K. LIU EX-OFFICIO TRUSTEE	1.00 2.00	X						0.	0.	0.
(25) J. MICHAEL MCQUADE VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(26) BRUCE M. MCWILLIAMS VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
1b Sub-total								0.	1,021,423.	727,886.
c Total from continuation sheets to Part VII, Section A								13,570,716.	30,000.	2,640,454.
d Total (add lines 1b and 1c)								13,570,716.	1,051,423.	3,368,340.

2 Total number of individuals (including but not limited to those listed above) who received more than \$100,000 of reportable compensation from the organization **1,432**

	Yes	No
3 Did the organization list any former officer, director, or trustee, key employee, or highest compensated employee on line 1a? If "Yes," complete Schedule J for such individual	X	
4 For any individual listed on line 1a, is the sum of reportable compensation and other compensation from the organization and related organizations greater than \$150,000? If "Yes," complete Schedule J for such individual	X	
5 Did any person listed on line 1a receive or accrue compensation from any unrelated organization or individual for services rendered to the organization? If "Yes," complete Schedule J for such person		X

Section B. Independent Contractors

1 Complete this table for your five highest compensated independent contractors that received more than \$100,000 of compensation from the organization. Report compensation for the calendar year ending with or within the organization's tax year.

(A) Name and business address	(B) Description of services	(C) Compensation
PJ DICK INC. 225 NORTH SHORE DRIVE, PITTSBURGH, PA 15212	CONSTRUCTION	79,093,093.
DECISIONQUEST INC., 21535 HAWTHORNE BLVD, STE 310, TORRANCE, CA 90503	LEGAL SERVICES	22,000,000.
TURNER CONSTRUCTION COMPANY, 2 PNC PLAZA, 620 LIBERTY AVE, 27TH FLOOR, PITTSBURGH,	CONSTRUCTION	13,812,673.
CULINART INC. 175 SUNNYSIDE BLVD, PLAINVIEW, NY 11803	DINING SERVICES	13,059,035.
RYCON CONSTRUCTION 2525 LIBERTY AVE, PITTSBURGH, PA 15222	CONSTRUCTION	12,669,198.

2 Total number of independent contractors (including but not limited to those listed above) who received more than \$100,000 of compensation from the organization **167**

SEE PART VII, SECTION A CONTINUATION SHEETS

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Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (check all that apply)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(27) ANNE M. MOLLOY VOTING TRUSTEE	3.20 0.00	X						0.	0.	0.
(28) AMBAR PAUL VOTING TRUSTEE	0.50 0.00	X						0.	0.	0.
(29) MAYOR WILLIAM PEDUTO EX-OFFICIO TRUSTEE	0.30 0.00	X						0.	0.	0.
(30) DAVID L. FORGES VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(31) JONATHAN M. ROTHBERG VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(32) AJIT SHETTY VOTING TRUSTEE	1.00 0.00	X						0.	0.	0.
(33) J. LEA HILLMAN SIMONDS VOTING TRUSTEE	1.50 1.00	X						0.	0.	0.
(34) MANOJ P. SINGH VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(35) LUKE SKURMAN VOTING TRUSTEE	3.00 0.00	X						0.	0.	0.
(36) LIP-BU TAN VOTING TRUSTEE	5.00 0.00	X						0.	0.	0.
(37) DAVID A. TEPPER VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(38) THOMAS TULL VOTING TRUSTEE	5.00 0.00	X						0.	0.	0.
(39) MARY ANN ULISHNEY VOTING TRUSTEE	1.25 0.00	X						0.	0.	0.
(40) JEANNE VANBRIESEN EX-OFFICIO TRUSTEE/PROFESSOR	1.00 0.00	X						193,329.	0.	84,971.
(41) SUNIL WADHWANI VOTING TRUSTEE	2.00 0.00	X						0.	0.	0.
(42) PAULA KAUFFMAN WAGNER VOTING TRUSTEE/ADJUNCT INSTRUCTOR	1.00 0.00	X						3,000.	0.	0.
(43) DEBORAH YUE EX-OFFICIO TRUSTEE	1.00 0.00	X						0.	0.	0.
(44) MICHAEL ZAMAGIAS VOTING TRUSTEE	0.50 0.50	X						0.	0.	0.
(45) JAMES E. ROHR CHAIRMAN/VOTING TRUSTEE	5.00 0.00	X		X				0.	15,000.	0.
(46) EDWARD H. FRANK VICE CHAIRMAN/VOTING TRUSTEE	4.00 0.00	X		X				0.	0.	0.
Total to Part VII, Section A, line 1c										

Part VII Section A. Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees (continued)

(A) Name and title	(B) Average hours per week (list any hours for related organizations below line)	(C) Position (check all that apply)						(D) Reportable compensation from the organization (W-2/1099-MISC)	(E) Reportable compensation from related organizations (W-2/1099-MISC)	(F) Estimated amount of other compensation from the organization and related organizations
		Individual trustee or director	Institutional trustee	Officer	Key employee	Highest compensated employee	Former			
(47) TOD S. JOHNSON VICE CHAIRMAN/VOTING TRUSTEE	3.00 0.00	X		X				0.	0.	0.
(48) FARNAM JAHANIAN PRESIDENT/EX-OFFICIO TRUSTEE	50.00 4.00	X		X				723,599.	7,500.	96,632.
(49) LAURIE WEINGART INTERIM PROVOST	50.00 0.10			X				411,827.	0.	76,467.
(50) ANGELA BLANTON VP OF FINANCE & CFO	50.00 0.10			X				393,219.	0.	35,658.
(51) GINA CASALEGNO V.P. STUDT. AFRS. & DEAN OF STUDENTS	50.00 0.00			X				305,030.	0.	27,637.
(52) MARY JO DIVELY VP/GENERAL COUNSEL	50.00 0.50			X				510,498.	0.	199,399.
(53) JOHN DOLAN TREASURER (ENTERED 12/17)	50.00 0.00			X				32,367.	0.	3,095.
(54) CHARLES A. KENNEDY, CIO AND INTERIM TREASURER THRU 11/17	50.00 2.00			X				641,213.	0.	111,388.
(55) KAREN T. KHAN ASSISTANT SECRETARY	50.00 0.00			X				130,342.	0.	19,950.
(56) STEVE KLOEHN V.P. FOR MARKETING AND COMMUNICATION	50.00 0.00			X				312,810.	0.	56,709.
(57) CATHY A. LIGHT CHIEF OF STAFF & SEC. OF THE CORP.	50.00 0.00			X				346,882.	0.	55,314.
(58) RODNEY MCCLENDON V.P. FOR OPERATIONS	50.00 0.00			X				445,431.	0.	35,607.
(59) CARRIE NELSON ASSISTANT TREASURER	50.00 1.10			X				246,780.	0.	24,319.
(60) SCOTT MORY V.P. FOR UNIV. ADVANCEMENT	50.00 0.00			X				512,062.	0.	31,015.
(61) JAMES H. GARRETT, DEAN CARNEGIE INSTITUTE OF TECHNOLOGY	50.00 0.20				X			445,499.	0.	38,626.
(62) ANDREW MOORE DEAN, SCHOOL OF COMPUTER SCIENCE	50.00 1.00				X			579,781.	0.	70,693.
(63) PAUL D. NIELSEN CEO & DIRECTOR SEI	50.00 0.00				X			583,712.	0.	29,300.
(64) ILKER BAYBARS DEAN & CEO QATAR CAMPUS	50.00 0.00					X		1,012,006.	0.	64,374.
(65) ROBERT DAMMON DEAN, TEPPER SCHOOL OF BUSINESS	50.00 0.00					X		624,344.	0.	37,624.
(66) KRZYSZTOF MATYJASZEWSKI JC WARNER UNIV. PROF OF NAT. SCI.	50.00 0.00					X		596,709.	0.	40,040.
Total to Part VII, Section A, line 1c										

Part VIII Statement of RevenueCheck if Schedule O contains a response or note to any line in this Part VIII ☐

				(A) Total revenue	(B) Related or exempt function revenue	(C) Unrelated business revenue	(D) Revenue excluded from tax under sections 512 - 514
Contributions, Gifts, Grants and Other Similar Amounts	1 a Federated campaigns	1a					
	b Membership dues	1b					
	c Fundraising events	1c	13,150.				
	d Related organizations	1d	17,224,807.				
	e Government grants (contributions)	1e	338,123,712.				
	f All other contributions, gifts, grants, and similar amounts not included above	1f	181,301,375.				
	g Noncash contributions included in lines 1a-1f: \$		31,635,133.				
	h Total. Add lines 1a-1f			536,663,044.			
	Program Service Revenue	Business Code					
2 a TUITION		900099		752,538,975.	752,538,975.		
b AUXILIARY SERVICES		611710		72,669,849.	71,475,301.	1,194,548.	
c OTHER PROGRAM SERVICES		900099		13,620,608.	13,620,608.		
d							
e							
f All other program service revenue							
g Total. Add lines 2a-2f				838,829,432.			
Other Revenue	3 Investment income (including dividends, interest, and other similar amounts)			39,007,960.		2,966,813.	36,041,147.
	4 Income from investment of tax-exempt bond proceeds						
	5 Royalties			6,885,326.			6,885,326.
	6 a Gross rents	(i) Real	(ii) Personal				
		1,975,100.	22,429.				
		b Less: rental expenses		273,625.	0.		
		c Rental income or (loss)		1,701,475.	22,429.		
	d Net rental income or (loss)				1,723,904.	11,331.	1,712,573.
	7 a Gross amount from sales of assets other than inventory ¹	(i) Securities	(ii) Other				
		476,520,122.					
		b Less: cost or other basis and sales expenses		376,275,043.	226,229.		
		c Gain or (loss)		100,245,079.	-226,229.		
	d Net gain or (loss)				100,018,850.		100,018,850.
	8 a Gross income from fundraising events (not including \$ 13,150. of contributions reported on line 1c). See Part IV, line 18	a	216,834.				
		b Less: direct expenses	b	75,711.			
		c Net income or (loss) from fundraising events			141,123.		141,123.
		9 a Gross income from gaming activities. See Part IV, line 19	a				
	b Less: direct expenses	b					
	c Net income or (loss) from gaming activities						
	10 a Gross sales of inventory, less returns and allowances	a	6,816,848.				
b Less: cost of goods sold		b	3,263,758.				
c Net income or (loss) from sales of inventory				3,553,090.	91,747.	3,461,343.	
Miscellaneous Revenue							
11 a	Business Code						
	b						
	c						
	d All other revenue						
	e Total. Add lines 11a-11d						
12 Total revenue. See instructions.			1,526,822,729.	837,634,884.	4,264,439.	148,260,362.	

Part IX Statement of Functional Expenses

Section 501(c)(3) and 501(c)(4) organizations must complete all columns. All other organizations must complete column (A).

Check if Schedule O contains a response or note to any line in this Part IX ☐

Do not include amounts reported on lines 6b, 7b, 8b, 9b, and 10b of Part VIII.	(A) Total expenses	(B) Program service expenses	(C) Management and general expenses	(D) Fundraising expenses
1 Grants and other assistance to domestic organizations and domestic governments. See Part IV, line 21	23,677,696.	23,677,696.		
2 Grants and other assistance to domestic individuals. See Part IV, line 22	154,203,870.	154,203,870.		
3 Grants and other assistance to foreign organizations, foreign governments, and foreign individuals. See Part IV, lines 15 and 16	10,628,393.	10,628,393.		
4 Benefits paid to or for members				
5 Compensation of current officers, directors, trustees, and key employees	8,518,214.	1,608,380.	5,688,597.	1,221,237.
6 Compensation not included above, to disqualified persons (as defined under section 4958(f)(1)) and persons described in section 4958(c)(3)(B)	4,238,678.	1,721,664.	2,188,470.	328,544.
7 Other salaries and wages	631,223,607.	574,658,375.	41,173,051.	15,392,181.
8 Pension plan accruals and contributions (include section 401(k) and 403(b) employer contributions)	37,387,110.	31,083,745.	5,148,157.	1,155,208.
9 Other employee benefits	68,324,462.	59,373,377.	6,715,875.	2,235,210.
10 Payroll taxes	33,981,661.	27,954,993.	4,937,159.	1,089,509.
11 Fees for services (non-employees):				
a Management	4,333,533.	2,451,653.	1,872,695.	9,185.
b Legal	1,276,869.	78,565.	1,198,304.	
c Accounting	512,907.	512,907.		
d Lobbying	927,400.			927,400.
e Professional fundraising services. See Part IV, line 17	6,532,258.		6,532,258.	
f Investment management fees				
g Other. (If line 11g amount exceeds 10% of line 25, column (A) amount, list line 11g expenses on Sch O.)	25,715,093.	14,654,169.	9,061,875.	1,999,049.
12 Advertising and promotion	2,913,137.	1,911,887.	985,244.	16,006.
13 Office expenses	26,057,434.	17,364,642.	7,962,524.	730,268.
14 Information technology	23,982,690.	15,212,305.	7,967,958.	802,427.
15 Royalties	824,505.	824,505.		
16 Occupancy	60,212,866.	53,852,213.	6,347,836.	12,817.
17 Travel	34,545,746.	27,146,408.	5,955,012.	1,444,326.
18 Payments of travel or entertainment expenses for any federal, state, or local public officials				
19 Conferences, conventions, and meetings	13,966,480.	11,761,405.	1,852,271.	352,804.
20 Interest	13,151,848.	12,584,107.	567,741.	
21 Payments to affiliates				
22 Depreciation, depletion, and amortization	66,876,982.	62,855,610.	4,021,372.	
23 Insurance	2,530,736.	2,209,811.	320,925.	
24 Other expenses. Itemize expenses not covered above. (List miscellaneous expenses in line 24e. If line 24e amount exceeds 10% of line 25, column (A) amount, list line 24e expenses on Schedule O.)				
a FOOD SERVICE OPERATIONS	21,497,555.	21,249,310.	248,245.	
b INFORMATION RESOURCES	10,063,172.	9,893,316.	105,206.	64,650.
c NON-CAPITAL EQUIPMENT	7,009,134.	4,509,111.	2,496,341.	3,682.
d FABRICATED EQUIPMENT	3,955,817.	3,954,092.	1,725.	
e All other expenses	36,092,100.	23,824,461.	12,229,369.	38,270.
25 Total functional expenses. Add lines 1 through 24e	1,335,161,953.	1,171,760,970.	135,578,210.	27,822,773.
26 Joint costs. Complete this line only if the organization reported in column (B) joint costs from a combined educational campaign and fundraising solicitation.				

Check here ☐ if following SOP 98-2 (ASC 958-720)

Part X Balance SheetCheck if Schedule O contains a response or note to any line in this Part X ☐

		(A) Beginning of year		(B) End of year
Assets	1 Cash - non-interest-bearing	56,179.	1	59,249.
	2 Savings and temporary cash investments	245,146,339.	2	469,239,273.
	3 Pledges and grants receivable, net	146,487,469.	3	147,377,892.
	4 Accounts receivable, net	37,266,067.	4	36,006,690.
	5 Loans and other receivables from current and former officers, directors, trustees, key employees, and highest compensated employees. Complete Part II of Schedule L		5	
	6 Loans and other receivables from other disqualified persons (as defined under section 4958(f)(1)), persons described in section 4958(c)(3)(B), and contributing employers and sponsoring organizations of section 501(c)(9) voluntary employees' beneficiary organizations (see instr). Complete Part II of Sch L		6	
	7 Notes and loans receivable, net	5,893,280.	7	129,664.
	8 Inventories for sale or use	1,698,420.	8	1,747,485.
	9 Prepaid expenses and deferred charges	16,326,670.	9	18,614,646.
	10a Land, buildings, and equipment: cost or other basis. Complete Part VI of Schedule D	10a 1,859,579,856.		
	b Less: accumulated depreciation	10b 893,775,520.	10c	965,804,336.
	11 Investments - publicly traded securities	1,502,283,276.	11	1,310,739,649.
	12 Investments - other securities. See Part IV, line 11	891,924,120.	12	1,067,584,038.
	13 Investments - program-related. See Part IV, line 11		13	
	14 Intangible assets		14	
	15 Other assets. See Part IV, line 11	49,992,048.	15	50,319,446.
16 Total assets. Add lines 1 through 15 (must equal line 34)	3,781,707,782.	16	4,067,622,368.	
Liabilities	17 Accounts payable and accrued expenses	152,695,866.	17	155,922,061.
	18 Grants payable		18	
	19 Deferred revenue	106,395,223.	19	104,778,499.
	20 Tax-exempt bond liabilities	440,059,323.	20	460,445,719.
	21 Escrow or custodial account liability. Complete Part IV of Schedule D		21	
	22 Loans and other payables to current and former officers, directors, trustees, key employees, highest compensated employees, and disqualified persons. Complete Part II of Schedule L		22	
	23 Secured mortgages and notes payable to unrelated third parties		23	
	24 Unsecured notes and loans payable to unrelated third parties	111,961,992.	24	85,844,702.
	25 Other liabilities (including federal income tax, payables to related third parties, and other liabilities not included on lines 17-24). Complete Part X of Schedule D	76,574,456.	25	69,968,006.
	26 Total liabilities. Add lines 17 through 25	887,686,860.	26	876,958,987.
Net Assets or Fund Balances	Organizations that follow SFAS 117 (ASC 958), check here <input checked="" type="checkbox"/> and complete lines 27 through 29, and lines 33 and 34.			
	27 Unrestricted net assets	1,276,391,468.	27	1,466,127,692.
	28 Temporarily restricted net assets	807,202,945.	28	844,322,843.
	29 Permanently restricted net assets	810,426,509.	29	880,212,846.
	Organizations that do not follow SFAS 117 (ASC 958), check here <input type="checkbox"/> and complete lines 30 through 34.			
	30 Capital stock or trust principal, or current funds		30	
	31 Paid-in or capital surplus, or land, building, or equipment fund		31	
	32 Retained earnings, endowment, accumulated income, or other funds		32	
	33 Total net assets or fund balances	2,894,020,922.	33	3,190,663,381.
	34 Total liabilities and net assets/fund balances	3,781,707,782.	34	4,067,622,368.

Form 990 (2017)

Part XI Reconciliation of Net Assets

Check if Schedule O contains a response or note to any line in this Part XI

☒

1	Total revenue (must equal Part VIII, column (A), line 12)	1	1,526,822,729.
2	Total expenses (must equal Part IX, column (A), line 25)	2	1,335,161,953.
3	Revenue less expenses. Subtract line 2 from line 1	3	191,660,776.
4	Net assets or fund balances at beginning of year (must equal Part X, line 33, column (A))	4	2,894,020,922.
5	Net unrealized gains (losses) on investments	5	108,109,414.
6	Donated services and use of facilities	6	
7	Investment expenses	7	
8	Prior period adjustments	8	
9	Other changes in net assets or fund balances (explain in Schedule O)	9	-3,127,731.
10	Net assets or fund balances at end of year. Combine lines 3 through 9 (must equal Part X, line 33, column (B))	10	3,190,663,381.

Part XII Financial Statements and Reporting

Check if Schedule O contains a response or note to any line in this Part XII

☒

	Yes	No
1 Accounting method used to prepare the Form 990: <input type="checkbox"/> Cash <input checked="" type="checkbox"/> Accrual <input type="checkbox"/> Other _____ If the organization changed its method of accounting from a prior year or checked "Other," explain in Schedule O.		
2a Were the organization's financial statements compiled or reviewed by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were compiled or reviewed on a separate basis, consolidated basis, or both: <input type="checkbox"/> Separate basis <input type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis		X
b Were the organization's financial statements audited by an independent accountant? If "Yes," check a box below to indicate whether the financial statements for the year were audited on a separate basis, consolidated basis, or both: <input type="checkbox"/> Separate basis <input checked="" type="checkbox"/> Consolidated basis <input type="checkbox"/> Both consolidated and separate basis	X	
c If "Yes" to line 2a or 2b, does the organization have a committee that assumes responsibility for oversight of the audit, review, or compilation of its financial statements and selection of an independent accountant? If the organization changed either its oversight process or selection process during the tax year, explain in Schedule O.	X	
3a As a result of a federal award, was the organization required to undergo an audit or audits as set forth in the Single Audit Act and OMB Circular A-133?	X	
b If "Yes," did the organization undergo the required audit or audits? If the organization did not undergo the required audit or audits, explain why in Schedule O and describe any steps taken to undergo such audits	X	

Form 990 (2017)

10200502 786250 24269-24000 2017.05050 CARNEGIE MELLON UNIVERSITY 24269-01

Part II Support Schedule for Organizations Described in Sections 170(b)(1)(A)(iv) and 170(b)(1)(A)(vi)

(Complete only if you checked the box on line 5, 7, or 8 of Part I or if the organization failed to qualify under Part III. If the organization fails to qualify under the tests listed below, please complete Part III.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ▶	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")	504,944,253.	508,112,330.	576,147,639.	510,891,368.	529,488,222.	2629583812.
2 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
3 The value of services or facilities furnished by a governmental unit to the organization without charge						
4 Total. Add lines 1 through 3	504,944,253.	508,112,330.	576,147,639.	510,891,368.	529,488,222.	2629583812.
5 The portion of total contributions by each person (other than a governmental unit or publicly supported organization) included on line 1 that exceeds 2% of the amount shown on line 11, column (f)						10,965,587.
6 Public support. Subtract line 5 from line 4.						2618618225.

Section B. Total Support

Calendar year (or fiscal year beginning in) ▶	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
7 Amounts from line 4	504,944,253.	508,112,330.	576,147,639.	510,891,368.	529,488,222.	2629583812.
8 Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources	20,770,582.	27,122,710.	34,961,586.	35,331,914.	47,890,815.	166,077,607.
9 Net income from unrelated business activities, whether or not the business is regularly carried on						
10 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
11 Total support. Add lines 7 through 10						2795661419.
12 Gross receipts from related activities, etc. (see instructions)					12 3,794,341,267.	
13 First five years. If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and stop here						<input type="checkbox"/>

Section C. Computation of Public Support Percentage

14 Public support percentage for 2017 (line 6, column (f) divided by line 11, column (f))	14	93.67	%
15 Public support percentage from 2016 Schedule A, Part II, line 14	15	94.57	%
16a 33 1/3% support test - 2017. If the organization did not check the box on line 13, and line 14 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization			<input checked="" type="checkbox"/>
b 33 1/3% support test - 2016. If the organization did not check a box on line 13 or 16a, and line 15 is 33 1/3% or more, check this box and stop here. The organization qualifies as a publicly supported organization			<input type="checkbox"/>
17a 10% -facts-and-circumstances test - 2017. If the organization did not check a box on line 13, 16a, or 16b, and line 14 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization			<input type="checkbox"/>
b 10% -facts-and-circumstances test - 2016. If the organization did not check a box on line 13, 16a, 16b, or 17a, and line 15 is 10% or more, and if the organization meets the "facts-and-circumstances" test, check this box and stop here. Explain in Part VI how the organization meets the "facts-and-circumstances" test. The organization qualifies as a publicly supported organization			<input type="checkbox"/>
18 Private foundation. If the organization did not check a box on line 13, 16a, 16b, 17a, or 17b, check this box and see instructions			<input type="checkbox"/>

Schedule A (Form 990 or 990-EZ) 2017

Part III Support Schedule for Organizations Described in Section 509(a)(2)

(Complete only if you checked the box on line 10 of Part I or if the organization failed to qualify under Part II. If the organization fails to qualify under the tests listed below, please complete Part II.)

Section A. Public Support

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
1 Gifts, grants, contributions, and membership fees received. (Do not include any "unusual grants.")						
2 Gross receipts from admissions, merchandise sold or services performed, or facilities furnished in any activity that is related to the organization's tax-exempt purpose						
3 Gross receipts from activities that are not an unrelated trade or business under section 513						
4 Tax revenues levied for the organization's benefit and either paid to or expended on its behalf						
5 The value of services or facilities furnished by a governmental unit to the organization without charge						
6 Total. Add lines 1 through 5						
7a Amounts included on lines 1, 2, and 3 received from disqualified persons						
b Amounts included on lines 2 and 3 received from other than disqualified persons that exceed the greater of \$5,000 or 1% of the amount on line 13 for the year						
c Add lines 7a and 7b						
8 Public support. (Subtract line 7c from line 6.)						

Section B. Total Support

Calendar year (or fiscal year beginning in) ►	(a) 2013	(b) 2014	(c) 2015	(d) 2016	(e) 2017	(f) Total
9 Amounts from line 6						
10a Gross income from interest, dividends, payments received on securities loans, rents, royalties, and income from similar sources						
b Unrelated business taxable income (less section 511 taxes) from businesses acquired after June 30, 1975						
c Add lines 10a and 10b						
11 Net income from unrelated business activities not included in line 10b, whether or not the business is regularly carried on						
12 Other income. Do not include gain or loss from the sale of capital assets (Explain in Part VI.)						
13 Total support. (Add lines 9, 10c, 11, and 12.)						

14 **First five years.** If the Form 990 is for the organization's first, second, third, fourth, or fifth tax year as a section 501(c)(3) organization, check this box and **stop here** ☐

Section C. Computation of Public Support Percentage

15 Public support percentage for 2017 (line 8, column (f) divided by line 13, column (f))	15	%
16 Public support percentage from 2016 Schedule A, Part III, line 15	16	%

Section D. Computation of Investment Income Percentage

17 Investment income percentage for 2017 (line 10c, column (f) divided by line 13, column (f))	17	%
18 Investment income percentage from 2016 Schedule A, Part III, line 17	18	%

19a **33 1/3% support tests - 2017.** If the organization did not check the box on line 14, and line 15 is more than 33 1/3%, and line 17 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization ☐

b **33 1/3% support tests - 2016.** If the organization did not check a box on line 14 or line 19a, and line 16 is more than 33 1/3%, and line 18 is not more than 33 1/3%, check this box and **stop here.** The organization qualifies as a publicly supported organization ☐

20 **Private foundation.** If the organization did not check a box on line 14, 19a, or 19b, check this box and see instructions ☐

Part IV Supporting Organizations

(Complete only if you checked a box in line 12 on Part I. If you checked 12a of Part I, complete Sections A and B. If you checked 12b of Part I, complete Sections A and C. If you checked 12c of Part I, complete Sections A, D, and E. If you checked 12d of Part I, complete Sections A and D, and complete Part V.)

Section A. All Supporting Organizations

- 1 Are all of the organization's supported organizations listed by name in the organization's governing documents? If "No," describe in **Part VI** how the supported organizations are designated. If designated by class or purpose, describe the designation. If historic and continuing relationship, explain.
- 2 Did the organization have any supported organization that does not have an IRS determination of status under section 509(a)(1) or (2)? If "Yes," explain in **Part VI** how the organization determined that the supported organization was described in section 509(a)(1) or (2).
- 3a Did the organization have a supported organization described in section 501(c)(4), (5), or (6)? If "Yes," answer (b) and (c) below.
- b Did the organization confirm that each supported organization qualified under section 501(c)(4), (5), or (6) and satisfied the public support tests under section 509(a)(2)? If "Yes," describe in **Part VI** when and how the organization made the determination.
- c Did the organization ensure that all support to such organizations was used exclusively for section 170(c)(2)(B) purposes? If "Yes," explain in **Part VI** what controls the organization put in place to ensure such use.
- 4a Was any supported organization not organized in the United States ("foreign supported organization")? If "Yes," and if you checked 12a or 12b in Part I, answer (b) and (c) below.
- b Did the organization have ultimate control and discretion in deciding whether to make grants to the foreign supported organization? If "Yes," describe in **Part VI** how the organization had such control and discretion despite being controlled or supervised by or in connection with its supported organizations.
- c Did the organization support any foreign supported organization that does not have an IRS determination under sections 501(c)(3) and 509(a)(1) or (2)? If "Yes," explain in **Part VI** what controls the organization used to ensure that all support to the foreign supported organization was used exclusively for section 170(c)(2)(B) purposes.
- 5a Did the organization add, substitute, or remove any supported organizations during the tax year? If "Yes," answer (b) and (c) below (if applicable). Also, provide detail in **Part VI**, including (i) the names and EIN numbers of the supported organizations added, substituted, or removed; (ii) the reasons for each such action; (iii) the authority under the organization's organizing document authorizing such action; and (iv) how the action was accomplished (such as by amendment to the organizing document).
- b **Type I or Type II only.** Was any added or substituted supported organization part of a class already designated in the organization's organizing document?
- c **Substitutions only.** Was the substitution the result of an event beyond the organization's control?
- 6 Did the organization provide support (whether in the form of grants or the provision of services or facilities) to anyone other than (i) its supported organizations, (ii) individuals that are part of the charitable class benefited by one or more of its supported organizations, or (iii) other supporting organizations that also support or benefit one or more of the filing organization's supported organizations? If "Yes," provide detail in **Part VI**.
- 7 Did the organization provide a grant, loan, compensation, or other similar payment to a substantial contributor (defined in section 4958(c)(3)(C)), a family member of a substantial contributor, or a 35% controlled entity with regard to a substantial contributor? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).
- 8 Did the organization make a loan to a disqualified person (as defined in section 4958) not described in line 7? If "Yes," complete Part I of Schedule L (Form 990 or 990-EZ).
- 9a Was the organization controlled directly or indirectly at any time during the tax year by one or more disqualified persons as defined in section 4946 (other than foundation managers and organizations described in section 509(a)(1) or (2))? If "Yes," provide detail in **Part VI**.
- b Did one or more disqualified persons (as defined in line 9a) hold a controlling interest in any entity in which the supporting organization had an interest? If "Yes," provide detail in **Part VI**.
- c Did a disqualified person (as defined in line 9a) have an ownership interest in, or derive any personal benefit from, assets in which the supporting organization also had an interest? If "Yes," provide detail in **Part VI**.
- 10a Was the organization subject to the excess business holdings rules of section 4943 because of section 4943(f) (regarding certain Type II supporting organizations, and all Type III non-functionally integrated supporting organizations)? If "Yes," answer 10b below.
- b Did the organization have any excess business holdings in the tax year? (Use Schedule C, Form 4720, to determine whether the organization had excess business holdings.)

	Yes	No
1		
2		
3a		
3b		
3c		
4a		
4b		
4c		
5a		
5b		
5c		
6		
7		
8		
9a		
9b		
9c		
10a		
10b		

Part IV **Supporting Organizations** (continued)

- 11 Has the organization accepted a gift or contribution from any of the following persons?
- a A person who directly or indirectly controls, either alone or together with persons described in (b) and (c) below, the governing body of a supported organization?
- b A family member of a person described in (a) above?
- c A 35% controlled entity of a person described in (a) or (b) above? If "Yes" to a, b, or c, provide detail in Part VI.

	Yes	No
11a		
11b		
11c		

Section B. Type I Supporting Organizations

- 1 Did the directors, trustees, or membership of one or more supported organizations have the power to regularly appoint or elect at least a majority of the organization's directors or trustees at all times during the tax year? If "No," describe in Part VI how the supported organization(s) effectively operated, supervised, or controlled the organization's activities. If the organization had more than one supported organization, describe how the powers to appoint and/or remove directors or trustees were allocated among the supported organizations and what conditions or restrictions, if any, applied to such powers during the tax year.
- 2 Did the organization operate for the benefit of any supported organization other than the supported organization(s) that operated, supervised, or controlled the supporting organization? If "Yes," explain in Part VI how providing such benefit carried out the purposes of the supported organization(s) that operated, supervised, or controlled the supporting organization.

	Yes	No
1		
2		

Section C. Type II Supporting Organizations

- 1 Were a majority of the organization's directors or trustees during the tax year also a majority of the directors or trustees of each of the organization's supported organization(s)? If "No," describe in Part VI how control or management of the supporting organization was vested in the same persons that controlled or managed the supported organization(s).

	Yes	No
1		

Section D. All Type III Supporting Organizations

- 1 Did the organization provide to each of its supported organizations, by the last day of the fifth month of the organization's tax year, (i) a written notice describing the type and amount of support provided during the prior tax year, (ii) a copy of the Form 990 that was most recently filed as of the date of notification, and (iii) copies of the organization's governing documents in effect on the date of notification, to the extent not previously provided?
- 2 Were any of the organization's officers, directors, or trustees either (i) appointed or elected by the supported organization(s) or (ii) serving on the governing body of a supported organization? If "No," explain in Part VI how the organization maintained a close and continuous working relationship with the supported organization(s).
- 3 By reason of the relationship described in (2), did the organization's supported organizations have a significant voice in the organization's investment policies and in directing the use of the organization's income or assets at all times during the tax year? If "Yes," describe in Part VI the role the organization's supported organizations played in this regard.

	Yes	No
1		
2		
3		

Section E. Type III Functionally Integrated Supporting Organizations

- 1 Check the box next to the method that the organization used to satisfy the Integral Part Test during the year (see instructions).
- a ☐ The organization satisfied the Activities Test. Complete line 2 below.
- b ☐ The organization is the parent of each of its supported organizations. Complete line 3 below.
- c ☐ The organization supported a governmental entity. Describe in Part VI how you supported a government entity (see instructions).

2 Activities Test. Answer (a) and (b) below.

- a Did substantially all of the organization's activities during the tax year directly further the exempt purposes of the supported organization(s) to which the organization was responsive? If "Yes," then in Part VI identify those supported organizations and explain how these activities directly furthered their exempt purposes, how the organization was responsive to those supported organizations, and how the organization determined that these activities constituted substantially all of its activities.
- b Did the activities described in (a) constitute activities that, but for the organization's involvement, one or more of the organization's supported organization(s) would have been engaged in? If "Yes," explain in Part VI the reasons for the organization's position that its supported organization(s) would have engaged in these activities but for the organization's involvement.

3 Parent of Supported Organizations. Answer (a) and (b) below.

- a Did the organization have the power to regularly appoint or elect a majority of the officers, directors, or trustees of each of the supported organizations? Provide details in Part VI.
- b Did the organization exercise a substantial degree of direction over the policies, programs, and activities of each of its supported organizations? If "Yes," describe in Part VI the role played by the organization in this regard.

	Yes	No
2a		
2b		
3a		
3b		

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations

- 1 ☐ Check here if the organization satisfied the Integral Part Test as a qualifying trust on Nov. 20, 1970 (explain in Part VI.) See instructions. All other Type III non-functionally integrated supporting organizations must complete Sections A through E.

Section A - Adjusted Net Income		(A) Prior Year	(B) Current Year (optional)
1	Net short-term capital gain	1	
2	Recoveries of prior-year distributions	2	
3	Other gross income (see instructions)	3	
4	Add lines 1 through 3	4	
5	Depreciation and depletion	5	
6	Portion of operating expenses paid or incurred for production or collection of gross income or for management, conservation, or maintenance of property held for production of income (see instructions)	6	
7	Other expenses (see instructions)	7	
8	Adjusted Net Income (subtract lines 5, 6, and 7 from line 4)	8	

Section B - Minimum Asset Amount		(A) Prior Year	(B) Current Year (optional)
1	Aggregate fair market value of all non-exempt-use assets (see instructions for short tax year or assets held for part of year):		
a	Average monthly value of securities	1a	
b	Average monthly cash balances	1b	
c	Fair market value of other non-exempt-use assets	1c	
d	Total (add lines 1a, 1b, and 1c)	1d	
e	Discount claimed for blockage or other factors (explain in detail in Part VI):		
2	Acquisition indebtedness applicable to non-exempt-use assets	2	
3	Subtract line 2 from line 1d	3	
4	Cash deemed held for exempt use. Enter 1-1/2% of line 3 (for greater amount, see instructions)	4	
5	Net value of non-exempt-use assets (subtract line 4 from line 3)	5	
6	Multiply line 5 by .035	6	
7	Recoveries of prior-year distributions	7	
8	Minimum Asset Amount (add line 7 to line 6)	8	

Section C - Distributable Amount			Current Year
1	Adjusted net income for prior year (from Section A, line 8, Column A)	1	
2	Enter 85% of line 1	2	
3	Minimum asset amount for prior year (from Section B, line 8, Column A)	3	
4	Enter greater of line 2 or line 3	4	
5	Income tax imposed in prior year	5	
6	Distributable Amount. Subtract line 5 from line 4, unless subject to emergency temporary reduction (see instructions)	6	
7	<input type="checkbox"/> Check here if the current year is the organization's first as a non-functionally integrated Type III supporting organization (see instructions).		

Schedule A (Form 990 or 990-EZ) 2017

Part V Type III Non-Functionally Integrated 509(a)(3) Supporting Organizations (continued)

Section D - Distributions	Current Year
1 Amounts paid to supported organizations to accomplish exempt purposes	
2 Amounts paid to perform activity that directly furthers exempt purposes of supported organizations, in excess of income from activity	
3 Administrative expenses paid to accomplish exempt purposes of supported organizations	
4 Amounts paid to acquire exempt-use assets	
5 Qualified set-aside amounts (prior IRS approval required)	
6 Other distributions (describe in Part VI). See instructions.	
7 Total annual distributions. Add lines 1 through 6.	
8 Distributions to attentive supported organizations to which the organization is responsive (provide details in Part VI). See instructions.	
9 Distributable amount for 2017 from Section C, line 6	
10 Line 8 amount divided by line 9 amount	

Section E - Distribution Allocations (see instructions)	(i) Excess Distributions	(ii) Underdistributions Pre-2017	(iii) Distributable Amount for 2017
1 Distributable amount for 2017 from Section C, line 6			
2 Underdistributions, if any, for years prior to 2017 (reasonable cause required- explain in Part VI). See instructions.			
3 Excess distributions carryover, if any, to 2017			
a			
b From 2013			
c From 2014			
d From 2015			
e From 2016			
f Total of lines 3a through e			
g Applied to underdistributions of prior years			
h Applied to 2017 distributable amount			
i Carryover from 2012 not applied (see instructions)			
j Remainder. Subtract lines 3g, 3h, and 3i from 3f.			
4 Distributions for 2017 from Section D, line 7: \$			
a Applied to underdistributions of prior years			
b Applied to 2017 distributable amount			
c Remainder. Subtract lines 4a and 4b from 4.			
5 Remaining underdistributions for years prior to 2017, if any. Subtract lines 3g and 4a from line 2. For result greater than zero, explain in Part VI. See instructions.			
6 Remaining underdistributions for 2017. Subtract lines 3h and 4b from line 1. For result greater than zero, explain in Part VI. See instructions.			
7 Excess distributions carryover to 2018. Add lines 3j and 4c.			
8 Breakdown of line 7:			
a Excess from 2013			
b Excess from 2014			
c Excess from 2015			
d Excess from 2016			
e Excess from 2017			

Schedule A (Form 990 or 990-EZ) 2017

Part VI

Supplemental Information. Provide the explanations required by Part II, line 10; Part II, line 17a or 17b; Part III, line 12; Part IV, Section A, lines 1, 2, 3b, 3c, 4b, 4c, 5a, 6, 9a, 9b, 9c, 11a, 11b, and 11c; Part IV, Section B, lines 1 and 2; Part IV, Section C, line 1; Part IV, Section D, lines 2 and 3; Part IV, Section E, lines 1c, 2a, 2b, 3a, and 3b; Part V, line 1; Part V, Section B, line 1e; Part V, Section D, lines 5, 6, and 8; and Part V, Section E, lines 2, 5, and 6. Also complete this part for any additional information.
(See instructions.)

Schedule B
(Form 990, 990-EZ, or 990-PF)
Department of the Treasury
Internal Revenue Service

Schedule of Contributors

- ▶ Attach to Form 990, Form 990-EZ, or Form 990-PF.
▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2017

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Organization type (check one):

Filers of:

Section:

Form 990 or 990-EZ

☒ 501(c)(3) (enter number) organization

☐ 4947(a)(1) nonexempt charitable trust **not** treated as a private foundation

☐ 527 political organization

Form 990-PF

☐ 501(c)(3) exempt private foundation

☐ 4947(a)(1) nonexempt charitable trust treated as a private foundation

☐ 501(c)(3) taxable private foundation

Check if your organization is covered by the **General Rule** or a **Special Rule**.

Note: Only a section 501(c)(7), (8), or (10) organization can check boxes for both the General Rule and a Special Rule. See instructions.

General Rule

- ☐ For an organization filing Form 990, 990-EZ, or 990-PF that received, during the year, contributions totaling \$5,000 or more (in money or property) from any one contributor. Complete Parts I and II. See instructions for determining a contributor's total contributions.

Special Rules

- ☒ For an organization described in section 501(c)(3) filing Form 990 or 990-EZ that met the 33 1/3% support test of the regulations under sections 509(a)(1) and 170(b)(1)(A)(vi), that checked Schedule A (Form 990 or 990-EZ), Part II, line 13, 16a, or 16b, and that received from any one contributor, during the year, total contributions of the greater of (1) \$5,000; or (2) 2% of the amount on (i) Form 990, Part VIII, line 1h; or (ii) Form 990-EZ, line 1. Complete Parts I and II.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, total contributions of more than \$1,000 *exclusively* for religious, charitable, scientific, literary, or educational purposes, or for the prevention of cruelty to children or animals. Complete Parts I, II, and III.
- ☐ For an organization described in section 501(c)(7), (8), or (10) filing Form 990 or 990-EZ that received from any one contributor, during the year, contributions *exclusively* for religious, charitable, etc., purposes, but no such contributions totaled more than \$1,000. If this box is checked, enter here the total contributions that were received during the year for an *exclusively* religious, charitable, etc., purpose. Don't complete any of the parts unless the **General Rule** applies to this organization because it received *nonexclusively* religious, charitable, etc., contributions totaling \$5,000 or more during the year ▶ \$ _____

Caution: An organization that isn't covered by the General Rule and/or the Special Rules doesn't file Schedule B (Form 990, 990-EZ, or 990-PF), but it **must** answer "No" on Part IV, line 2, of its Form 990; or check the box on line H of its Form 990-EZ or on its Form 990-PF, Part I, line 2, to certify that it doesn't meet the filing requirements of Schedule B (Form 990, 990-EZ, or 990-PF).

LHA For Paperwork Reduction Act Notice, see the instructions for Form 990, 990-EZ, or 990-PF. Schedule B (Form 990, 990-EZ, or 990-PF) (2017)

Name of organization

Employer identification number

CARNEGIE MELLON UNIVERSITY**25-0969449****Part I Contributors** (see instructions). Use duplicate copies of Part I if additional space is needed.

(a) No.	(b) Name, address, and ZIP + 4	(c) Total contributions	(d) Type of contribution
<u>1</u>		\$ <u>12,768,628.</u>	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
<u>2</u>		\$ <u>11,972,985.</u>	Person <input checked="" type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input checked="" type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)
		\$ _____	Person <input type="checkbox"/> Payroll <input type="checkbox"/> Noncash <input type="checkbox"/> (Complete Part II for noncash contributions.)

Employer identification number

25-0969449

Part II

[illegible]

Name of organization	Employer identification number
CARNEGIE MELLON UNIVERSITY	25-0969449

Part III Exclusively religious, charitable, etc., contributions to organizations described in section 501(c)(7), (8), or (10) that total more than \$1,000 for the year from any one contributor. Complete columns (a) through (e) and the following line entry. For organizations completing Part III, enter the total of exclusively religious, charitable, etc., contributions of \$1,000 or less for the year. (Enter this info. once.) ▶ \$

Use duplicate copies of Part III if additional space is needed.

(a) No. from Part I	(b) Purpose of gift	(c) Use of gift	(d) Description of how gift is held
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee
	(e) Transfer of gift		
	Transferee's name, address, and ZIP + 4		Relationship of transferor to transferee

SCHEDULE C
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Political Campaign and Lobbying Activities

For Organizations Exempt From Income Tax Under section 501(c) and section 527
▶ **Complete if the organization is described below. ▶ Attach to Form 990 or Form 990-EZ.**
▶ **Go to www.irs.gov/Form990 for instructions and the latest information.**

OMB No. 1545-0047

2017

**Open to Public
Inspection**

If the organization answered "Yes," on Form 990, Part IV, line 3, or Form 990-EZ, Part V, line 46 (Political Campaign Activities), then

- Section 501(c)(3) organizations: Complete Parts I-A and B. Do not complete Part I-C.
- Section 501(c) (other than section 501(c)(3)) organizations: Complete Parts I-A and C below. Do not complete Part I-B.
- Section 527 organizations: Complete Part I-A only.

If the organization answered "Yes," on Form 990, Part IV, line 4, or Form 990-EZ, Part VI, line 47 (Lobbying Activities), then

- Section 501(c)(3) organizations that have filed Form 5768 (election under section 501(h)): Complete Part II-A. Do not complete Part II-B.
- Section 501(c)(3) organizations that have NOT filed Form 5768 (election under section 501(h)): Complete Part II-B. Do not complete Part II-A.

If the organization answered "Yes," on Form 990, Part IV, line 5 (Proxy Tax) (see separate instructions) or Form 990-EZ, Part V, line 35c (Proxy Tax) (see separate instructions), then

- Section 501(c)(4), (5), or (6) organizations: Complete Part III.

Name of organization CARNEGIE MELLON UNIVERSITY	Employer identification number 25-0969449
---	---

Part I-A Complete if the organization is exempt under section 501(c) or is a section 527 organization.

1 Provide a description of the organization's direct and indirect political campaign activities in Part IV.

2 Political campaign activity expenditures ▶ \$ _____

3 Volunteer hours for political campaign activities _____

Part I-B Complete if the organization is exempt under section 501(c)(3).

1 Enter the amount of any excise tax incurred by the organization under section 4955 ▶ \$ _____

2 Enter the amount of any excise tax incurred by organization managers under section 4955 ▶ \$ _____

3 If the organization incurred a section 4955 tax, did it file Form 4720 for this year? ☐ Yes ☐ No

4a Was a correction made? ☐ Yes ☐ No

b If "Yes," describe in Part IV.

Part I-C Complete if the organization is exempt under section 501(c), except section 501(c)(3).

1 Enter the amount directly expended by the filing organization for section 527 exempt function activities ▶ \$ _____

2 Enter the amount of the filing organization's funds contributed to other organizations for section 527
exempt function activities ▶ \$ _____

3 Total exempt function expenditures. Add lines 1 and 2. Enter here and on Form 1120-POL,
line 17b ▶ \$ _____

4 Did the filing organization file **Form 1120-POL** for this year? ☐ Yes ☐ No

5 Enter the names, addresses and employer identification number (EIN) of all section 527 political organizations to which the filing organization made payments. For each organization listed, enter the amount paid from the filing organization's funds. Also enter the amount of political contributions received that were promptly and directly delivered to a separate political organization, such as a separate segregated fund or a political action committee (PAC). If additional space is needed, provide information in Part IV.

(a) Name	(b) Address	(c) EIN	(d) Amount paid from filing organization's funds. If none, enter -0-.	(e) Amount of political contributions received and promptly and directly delivered to a separate political organization. If none, enter -0-.

For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ.

Schedule C (Form 990 or 990-EZ) 2017

LHA

732041 11-09-17

Part II-A Complete if the organization is exempt under section 501(c)(3) and filed Form 5768 (election under section 501(h)).

- A** Check ☒ if the filing organization belongs to an affiliated group (and list in Part IV each affiliated group member's name, address, EIN, expenses, and share of excess lobbying expenditures).
- B** Check ☐ if the filing organization checked box A and "limited control" provisions apply.

Limits on Lobbying Expenditures (The term "expenditures" means amounts paid or incurred.)		(a) Filing organization's totals	(b) Affiliated group totals												
1a Total lobbying expenditures to influence public opinion (grass roots lobbying)															
b Total lobbying expenditures to influence a legislative body (direct lobbying)		512,907.	512,907.												
c Total lobbying expenditures (add lines 1a and 1b)		512,907.	512,907.												
d Other exempt purpose expenditures		1,337,389,294.	1,338,446,573.												
e Total exempt purpose expenditures (add lines 1c and 1d)		1,337,902,201.	1,338,959,480.												
f Lobbying nontaxable amount. Enter the amount from the following table in both columns.		1,000,000.	1,000,000.												
<table border="1"> <thead> <tr> <th>If the amount on line 1e, column (a) or (b) is:</th> <th>The lobbying nontaxable amount is:</th> </tr> </thead> <tbody> <tr> <td>Not over \$500,000</td> <td>20% of the amount on line 1e.</td> </tr> <tr> <td>Over \$500,000 but not over \$1,000,000</td> <td>\$100,000 plus 15% of the excess over \$500,000.</td> </tr> <tr> <td>Over \$1,000,000 but not over \$1,500,000</td> <td>\$175,000 plus 10% of the excess over \$1,000,000.</td> </tr> <tr> <td>Over \$1,500,000 but not over \$17,000,000</td> <td>\$225,000 plus 5% of the excess over \$1,500,000.</td> </tr> <tr> <td>Over \$17,000,000</td> <td>\$1,000,000.</td> </tr> </tbody> </table>		If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:	Not over \$500,000	20% of the amount on line 1e.	Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.	Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.	Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.	Over \$17,000,000	\$1,000,000.		
If the amount on line 1e, column (a) or (b) is:	The lobbying nontaxable amount is:														
Not over \$500,000	20% of the amount on line 1e.														
Over \$500,000 but not over \$1,000,000	\$100,000 plus 15% of the excess over \$500,000.														
Over \$1,000,000 but not over \$1,500,000	\$175,000 plus 10% of the excess over \$1,000,000.														
Over \$1,500,000 but not over \$17,000,000	\$225,000 plus 5% of the excess over \$1,500,000.														
Over \$17,000,000	\$1,000,000.														
g Grassroots nontaxable amount (enter 25% of line 1f)		250,000.	250,000.												
h Subtract line 1g from line 1a. If zero or less, enter -0-		0.	0.												
i Subtract line 1f from line 1c. If zero or less, enter -0-		0.	0.												
j If there is an amount other than zero on either line 1h or line 1i, did the organization file Form 4720 reporting section 4911 tax for this year?		<input type="checkbox"/> Yes <input type="checkbox"/> No													

4-Year Averaging Period Under section 501(h)

(Some organizations that made a section 501(h) election do not have to complete all of the five columns below.

See the separate instructions for lines 2a through 2f.)

Lobbying Expenditures During 4-Year Averaging Period					
Calendar year (or fiscal year beginning in)	(a) 2014	(b) 2015	(c) 2016	(d) 2017	(e) Total
2a Lobbying nontaxable amount	1,000,000.	1,000,000.	1,000,000.	1,000,000.	4,000,000.
b Lobbying ceiling amount (150% of line 2a, column(e))					6,000,000.
c Total lobbying expenditures	491,648.	498,166.	493,109.	512,907.	1,995,830.
d Grassroots nontaxable amount	250,000.	250,000.	250,000.	250,000.	1,000,000.
e Grassroots ceiling amount (150% of line 2d, column (e))					1,500,000.
f Grassroots lobbying expenditures					

Schedule C (Form 990 or 990-EZ) 2017

For each "Yes," response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity.

For each "Yes," response on lines 1a through 1i below, provide in Part IV a detailed description of the lobbying activity.	(a)		(b)
	Yes	No	Amount
1 During the year, did the filing organization attempt to influence foreign, national, state or local legislation, including any attempt to influence public opinion on a legislative matter or referendum, through the use of:			
a Volunteers?			
b Paid staff or management (include compensation in expenses reported on lines 1c through 1i)?			
c Media advertisements?			
d Mailings to members, legislators, or the public?			
e Publications, or published or broadcast statements?			
f Grants to other organizations for lobbying purposes?			
g Direct contact with legislators, their staffs, government officials, or a legislative body?			
h Rallies, demonstrations, seminars, conventions, speeches, lectures, or any similar means?			
i Other activities?			
j Total. Add lines 1c through 1i			
2a Did the activities in line 1 cause the organization to be not described in section 501(c)(3)?			
b If "Yes," enter the amount of any tax incurred under section 4912			
c If "Yes," enter the amount of any tax incurred by organization managers under section 4912			
d If the filing organization incurred a section 4912 tax, did it file Form 4720 for this year?			

		Yes	No
1	Were substantially all (90% or more) dues received nondeductible by members?		
2	Did the organization make only in-house lobbying expenditures of \$2,000 or less?		
3	Did the organization agree to carry over lobbying and political campaign activity expenditures from the prior year?		

answered "Yes."		answered "No."	
1	Dues, assessments and similar amounts from members	1	
2	Section 162(e) nondeductible lobbying and political expenditures (do not include amounts of political expenses for which the section 527(f) tax was paid).		
a	Current year	2a	
b	Carryover from last year	2b	
c	Total	2c	
3	Aggregate amount reported in section 6033(e)(1)(A) notices of nondeductible section 162(e) dues	3	
4	If notices were sent and the amount on line 2c exceeds the amount on line 3, what portion of the excess does the organization agree to carryover to the reasonable estimate of nondeductible lobbying and political expenditure next year?	4	
5	Taxable amount of lobbying and political expenditures (see instructions)	5	

Provide the descriptions required for Part I-A, line 1; Part I-B, line 4; Part I-C, line 5; Part II-A (affiliated group list); Part II-A, lines 1 and 2 (see instructions); and Part II-B, line 1. Also, complete this part for any additional information.

Part IV Supplemental Information (continued)

Schedule C

Affiliated Group Lobbying Expenditures
Part II -A

Name of Affiliated Group Member

BENJAMIN GARVER LAMME SCHOLARSHIP FUND

Employer ID Number

25-6030362

Affiliated Group Member Address

5000 FORBES AVENUE
PITTSBURGH, PA 15213

Electing Member

NO

Limits on Lobbying Expenditures:

		Line												
Total lobbying expenditures to influence public opinion (grassroots lobbying)	0.	1a												
Total lobbying expenditures to influence a legislative body (direct lobbying)	0.	b												
Total lobbying expenditures (add lines 1a and 1b)	0.	c												
Other exempt purpose expenditures	61.	d												
Total exempt purpose expenditures (add lines 1c and 1d)	61.	e												
Lobbying nontaxable amount.														
Enter the amount from the following table:														
<table border="1"> <thead> <tr> <th>If the amount on line e is:</th> <th>The lobbying nontaxable amount is:</th> </tr> </thead> <tbody> <tr> <td>Not over \$500,000</td> <td>20% of the amount on line 1e</td> </tr> <tr> <td>> 500,000 <= 1,000,000</td> <td>100,000 + 15% > 500,000</td> </tr> <tr> <td>> 1,000,000 <= 1,500,000</td> <td>175,000 + 10% > 1,000,000</td> </tr> <tr> <td>> 1,500,000 <= 17,000,000</td> <td>225,000 + 5% > 1,500,000</td> </tr> <tr> <td>Over \$17,000,000</td> <td>\$1,000,000</td> </tr> </tbody> </table>	If the amount on line e is:	The lobbying nontaxable amount is:	Not over \$500,000	20% of the amount on line 1e	> 500,000 <= 1,000,000	100,000 + 15% > 500,000	> 1,000,000 <= 1,500,000	175,000 + 10% > 1,000,000	> 1,500,000 <= 17,000,000	225,000 + 5% > 1,500,000	Over \$17,000,000	\$1,000,000	12.	f
If the amount on line e is:	The lobbying nontaxable amount is:													
Not over \$500,000	20% of the amount on line 1e													
> 500,000 <= 1,000,000	100,000 + 15% > 500,000													
> 1,000,000 <= 1,500,000	175,000 + 10% > 1,000,000													
> 1,500,000 <= 17,000,000	225,000 + 5% > 1,500,000													
Over \$17,000,000	\$1,000,000													
Grassroots nontaxable amount (enter 25% of line 1f)	3.	g												
Subtract line 1g from line 1a (limit to zero)	0.	h												
Subtract line 1f from line 1c (limit to zero)	0.	i												
Member's share of excess lobbying expenditures	0.													

Part IV Supplemental Information (continued)

Schedule C

Affiliated Group Lobbying Expenditures
Part II -A

Name of Affiliated Group Member

JACK G. BUNCHE CHARITABLE FUND FOR CMU

Employer ID Number

20-4393107

Affiliated Group Member Address

5000 FORBES AVENUE
PITTSBURGH, PA 15213

Electing Member

NO

Limits on Lobbying Expenditures:

		Line												
Total lobbying expenditures to influence public opinion (grassroots lobbying)	0.	1a												
Total lobbying expenditures to influence a legislative body (direct lobbying)	0.	b												
Total lobbying expenditures (add lines 1a and 1b)	0.	c												
Other exempt purpose expenditures	1,057,218.	d												
Total exempt purpose expenditures (add lines 1c and 1d)	1,057,218.	e												
Lobbying nontaxable amount.														
Enter the amount from the following table:														
<table border="1"> <thead> <tr> <th>If the amount on line e is:</th> <th>The lobbying nontaxable amount is:</th> </tr> </thead> <tbody> <tr> <td>Not over \$500,000</td> <td>20% of the amount on line 1e</td> </tr> <tr> <td>> 500,000 <= 1,000,000</td> <td>100,000 + 15% > 500,000</td> </tr> <tr> <td>> 1,000,000 <= 1,500,000</td> <td>175,000 + 10% > 1,000,000</td> </tr> <tr> <td>> 1,500,000 <= 17,000,000</td> <td>225,000 + 5% > 1,500,000</td> </tr> <tr> <td>Over \$17,000,000</td> <td>\$1,000,000</td> </tr> </tbody> </table>	If the amount on line e is:	The lobbying nontaxable amount is:	Not over \$500,000	20% of the amount on line 1e	> 500,000 <= 1,000,000	100,000 + 15% > 500,000	> 1,000,000 <= 1,500,000	175,000 + 10% > 1,000,000	> 1,500,000 <= 17,000,000	225,000 + 5% > 1,500,000	Over \$17,000,000	\$1,000,000	180,722.	f
If the amount on line e is:	The lobbying nontaxable amount is:													
Not over \$500,000	20% of the amount on line 1e													
> 500,000 <= 1,000,000	100,000 + 15% > 500,000													
> 1,000,000 <= 1,500,000	175,000 + 10% > 1,000,000													
> 1,500,000 <= 17,000,000	225,000 + 5% > 1,500,000													
Over \$17,000,000	\$1,000,000													
Grassroots nontaxable amount (enter 25% of line 1f)	45,181.	g												
Subtract line 1g from line 1a (limit to zero)	0.	h												
Subtract line 1f from line 1c (limit to zero)	0.	i												
Member's share of excess lobbying expenditures	0.													

SCHEDULE D
(Form 990)Department of the Treasury
Internal Revenue Service**Supplemental Financial Statements**▶ Complete if the organization answered "Yes" on Form 990,
Part IV, line 6, 7, 8, 9, 10, 11a, 11b, 11c, 11d, 11e, 11f, 12a, or 12b.
▶ Attach to Form 990.▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017Open to Public
Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I Organizations Maintaining Donor Advised Funds or Other Similar Funds or Accounts. Complete if the organization answered "Yes" on Form 990, Part IV, line 6.

	(a) Donor advised funds	(b) Funds and other accounts
1 Total number at end of year		
2 Aggregate value of contributions to (during year)		
3 Aggregate value of grants from (during year)		
4 Aggregate value at end of year		
5 Did the organization inform all donors and donor advisors in writing that the assets held in donor advised funds are the organization's property, subject to the organization's exclusive legal control?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
6 Did the organization inform all grantees, donors, and donor advisors in writing that grant funds can be used only for charitable purposes and not for the benefit of the donor or donor advisor, or for any other purpose conferring impermissible private benefit?	<input type="checkbox"/> Yes	<input type="checkbox"/> No

Part II Conservation Easements. Complete if the organization answered "Yes" on Form 990, Part IV, line 7.

1 Purpose(s) of conservation easements held by the organization (check all that apply).
☐ Preservation of land for public use (e.g., recreation or education) ☐ Preservation of a historically important land area
☐ Protection of natural habitat ☐ Preservation of a certified historic structure
☐ Preservation of open space

2 Complete lines 2a through 2d if the organization held a qualified conservation contribution in the form of a conservation easement on the last day of the tax year.

	Held at the End of the Tax Year
a Total number of conservation easements	2a
b Total acreage restricted by conservation easements	2b
c Number of conservation easements on a certified historic structure included in (a)	2c
d Number of conservation easements included in (c) acquired after 7/25/06, and not on a historic structure listed in the National Register	2d

3 Number of conservation easements modified, transferred, released, extinguished, or terminated by the organization during the tax year ▶

4 Number of states where property subject to conservation easement is located ▶

5 Does the organization have a written policy regarding the periodic monitoring, inspection, handling of violations, and enforcement of the conservation easements it holds?

☐ Yes ☐ No

6 Staff and volunteer hours devoted to monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶

7 Amount of expenses incurred in monitoring, inspecting, handling of violations, and enforcing conservation easements during the year ▶ \$

8 Does each conservation easement reported on line 2(d) above satisfy the requirements of section 170(h)(4)(B)(i) and section 170(h)(4)(B)(ii)?

☐ Yes ☐ No

9 In Part XIII, describe how the organization reports conservation easements in its revenue and expense statement, and balance sheet, and include, if applicable, the text of the footnote to the organization's financial statements that describes the organization's accounting for conservation easements.

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 8.

1a If the organization elected, as permitted under SFAS 116 (ASC 958), not to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide, in Part XIII, the text of the footnote to its financial statements that describes these items.

b If the organization elected, as permitted under SFAS 116 (ASC 958), to report in its revenue statement and balance sheet works of art, historical treasures, or other similar assets held for public exhibition, education, or research in furtherance of public service, provide the following amounts relating to these items:

(i) Revenue included on Form 990, Part VIII, line 1	▶ \$ 86,713.
(ii) Assets included in Form 990, Part X	▶ \$ 4,779,168.

2 If the organization received or held works of art, historical treasures, or other similar assets for financial gain, provide the following amounts required to be reported under SFAS 116 (ASC 958) relating to these items:

a Revenue included on Form 990, Part VIII, line 1	▶ \$
b Assets included in Form 990, Part X	▶ \$

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule D (Form 990) 2017

732051 10-09-17

Part III Organizations Maintaining Collections of Art, Historical Treasures, or Other Similar Assets (continued)

3 Using the organization's acquisition, accession, and other records, check any of the following that are a significant use of its collection items (check all that apply):

- a ☒ Public exhibition d ☐ Loan or exchange programs
 b ☒ Scholarly research e ☐ Other _____
 c ☒ Preservation for future generations

4 Provide a description of the organization's collections and explain how they further the organization's exempt purpose in Part XIII.

5 During the year, did the organization solicit or receive donations of art, historical treasures, or other similar assets to be sold to raise funds rather than to be maintained as part of the organization's collection? ☐ Yes ☒ No

Part IV Escrow and Custodial Arrangements. Complete if the organization answered "Yes" on Form 990, Part IV, line 9, or reported an amount on Form 990, Part X, line 21.

1a Is the organization an agent, trustee, custodian or other intermediary for contributions or other assets not included on Form 990, Part X? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII and complete the following table:

	Amount
c Beginning balance	1c
d Additions during the year	1d
e Distributions during the year	1e
f Ending balance	1f

2a Did the organization include an amount on Form 990, Part X, line 21, for escrow or custodial account liability? ☐ Yes ☐ No

b If "Yes," explain the arrangement in Part XIII. Check here if the explanation has been provided on Part XIII ☐

Part V Endowment Funds. Complete if the organization answered "Yes" on Form 990, Part IV, line 10.

	(a) Current year	(b) Prior year	(c) Two years back	(d) Three years back	(e) Four years back
1a Beginning of year balance	1,718,307,698.	1,304,489,016.	1,336,871,754.	1,249,218,977.	1,074,468,210.
b Contributions	62,328,699.	294,312,444.	44,843,541.	54,373,142.	35,015,698.
c Net investment earnings, gains, and losses	185,715,245.	187,094,434.	-17,973,647.	87,372,305.	189,493,030.
d Grants or scholarships	17,218,702.	16,158,853.	14,655,109.	12,834,311.	10,989,003.
e Other expenditures for facilities and programs	59,313,091.	48,286,429.	42,662,204.	39,323,039.	37,261,560.
f Administrative expenses	4,442,701.	3,142,904.	1,935,320.	1,935,320.	1,507,398.
g End of year balance	1,885,377,148.	1,718,307,698.	1,304,489,016.	1,336,871,754.	1,249,218,977.

2 Provide the estimated percentage of the current year end balance (line 1g, column (a)) held as:

- a Board designated or quasi-endowment ☐ 23.32 %
 b Permanent endowment ☐ 43.22 %
 c Temporarily restricted endowment ☐ 33.46 %

The percentages on lines 2a, 2b, and 2c should equal 100%.

3a Are there endowment funds not in the possession of the organization that are held and administered for the organization by:

	Yes	No
(i) unrelated organizations	3a(i)	X
(ii) related organizations	3a(ii)	X

b If "Yes" on line 3a(ii), are the related organizations listed as required on Schedule R? ☐ 3b X

4 Describe in Part XIII the intended uses of the organization's endowment funds.

Part VI Land, Buildings, and Equipment.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11a. See Form 990, Part X, line 10.

Description of property	(a) Cost or other basis (investment)	(b) Cost or other basis (other)	(c) Accumulated depreciation	(d) Book value
1a Land		49,690,965.		49,690,965.
b Buildings		1,357,370,722.	615,010,803.	742,359,919.
c Leasehold improvements		19,884,662.	17,631,978.	2,252,684.
d Equipment		283,001,231.	197,185,010.	85,816,221.
e Other		149,632,276.	63,947,729.	85,684,547.
Total. Add lines 1a through 1e. (Column (d) must equal Form 990, Part X, column (B), line 10c.)				965,804,336.

Schedule D (Form 990) 2017

Part VII Investments - Other Securities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11b. See Form 990, Part X, line 12.

(a) Description of security or category (including name of security)	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1) Financial derivatives		
(2) Closely-held equity interests		
(3) Other		
(A) REAL ESTATE	88,133,317.	END-OF-YEAR MARKET VALUE
(B) VENTURE CAP. & PRIV. EQ	412,838,118.	END-OF-YEAR MARKET VALUE
(C) AGGRESSIVE, DISTRESSED &		
(D) ARBITRAGE FIXED INCOME	25,106,906.	END-OF-YEAR MARKET VALUE
(E) NATURAL RESOURCES	135,807,427.	END-OF-YEAR MARKET VALUE
(F) HEDGE FUNDS	255,138,948.	END-OF-YEAR MARKET VALUE
(G) LOCAL REGION	4,202,288.	END-OF-YEAR MARKET VALUE
(H) EMERGING MARKET	146,357,034.	END-OF-YEAR MARKET VALUE
Total. (Col. (b) must equal Form 990, Part X, col. (B) line 12.)	1,067,584,038.	

Part VIII Investments - Program Related.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11c. See Form 990, Part X, line 13.

(a) Description of investment	(b) Book value	(c) Method of valuation: Cost or end-of-year market value
(1)		
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
Total. (Col. (b) must equal Form 990, Part X, col. (B) line 13.)		

Part IX Other Assets.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11d. See Form 990, Part X, line 15.

(a) Description	(b) Book value
(1)	
(2)	
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 15.)	

Part X Other Liabilities.

Complete if the organization answered "Yes" on Form 990, Part IV, line 11e or 11f. See Form 990, Part X, line 25.

1. (a) Description of liability	(b) Book value
(1) Federal income taxes	
(2) CONTRACT RETENTIONS	6,498,621.
(3) GATE STUDENT LOAN PROGRAM	170,104.
(4) ASSET RETIREMENT OBLIGATION-FIN 47	5,196,974.
(5) FEDERAL LOAN PROGRAMS & STUDENT	
(6) DEPOSITS	14,827,653.
(7) PRESENT VALUE OF ANNUITIES DUE	17,027,663.
(8) SWAP AGREEMENTS/CONTRACTS	22,558,852.
(9)	
Total. (Column (b) must equal Form 990, Part X, col. (B) line 25.)	69,968,006.

2. Liability for uncertain tax positions. In Part XIII, provide the text of the footnote to the organization's financial statements that reports the organization's liability for uncertain tax positions under FIN 48 (ASC 740). Check here if the text of the footnote has been provided in Part XIII ☒

Schedule D (Form 990) 2017

Part XI Reconciliation of Revenue per Audited Financial Statements With Revenue per Return.

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total revenue, gains, and other support per audited financial statements	1	1,486,451,885.
2	Amounts included on line 1 but not on Form 990, Part VIII, line 12:		
a	Net unrealized gains (losses) on investments	2a	108,109,414.
b	Donated services and use of facilities	2b	12,171,570.
c	Recoveries of prior year grants	2c	
d	Other (Describe in Part XIII.)	2d	4,653,293.
e	Add lines 2a through 2d	2e	124,934,277.
3	Subtract line 2e from line 1	3	1,361,517,608.
4	Amounts included on Form 990, Part VIII, line 12, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	
b	Other (Describe in Part XIII.)	4b	165,305,121.
c	Add lines 4a and 4b	4c	165,305,121.
5	Total revenue. Add lines 3 and 4c. (This must equal Form 990, Part I, line 12.)	5	1,526,822,729.

Part XII Reconciliation of Expenses per Audited Financial Statements With Expenses per Return.

Complete if the organization answered "Yes" on Form 990, Part IV, line 12a.

1	Total expenses and losses per audited financial statements	1	1,189,963,982.
2	Amounts included on line 1 but not on Form 990, Part IX, line 25:		
a	Donated services and use of facilities	2a	12,171,570.
b	Prior year adjustments	2b	
c	Other losses	2c	
d	Other (Describe in Part XIII.)	2d	10,443,386.
e	Add lines 2a through 2d	2e	22,614,956.
3	Subtract line 2e from line 1	3	1,167,349,026.
4	Amounts included on Form 990, Part IX, line 25, but not on line 1:		
a	Investment expenses not included on Form 990, Part VIII, line 7b	4a	
b	Other (Describe in Part XIII.)	4b	167,812,927.
c	Add lines 4a and 4b	4c	167,812,927.
5	Total expenses. Add lines 3 and 4c. (This must equal Form 990, Part I, line 18.)	5	1,335,161,953.

Part XIII Supplemental Information.

Provide the descriptions required for Part II, lines 3, 5, and 9; Part III, lines 1a and 4; Part IV, lines 1b and 2b; Part V, line 4; Part X, line 2; Part XI, lines 2d and 4b; and Part XII, lines 2d and 4b. Also complete this part to provide any additional information.

PART III, LINE 4:

CARNEGIE MELLON MAINTAINS VARIOUS ITEMS INCLUDING COLLECTIONS OF ART, HISTORIC ARTIFACTS AND OTHER SIMILAR ASSETS TO SUPPORT THE EDUCATION AND RESEARCH FUNCTIONS OF THE UNIVERSITY.

PART V, LINE 4:

THE CARNEGIE MELLON ENDOWMENT IS A COLLECTION OF INDIVIDUAL FUNDS PRIMARILY ESTABLISHED BY DONORS AND MANAGED BY THE UNIVERSITY AS A POOLED SET OF ASSETS. IN ACCORDANCE WITH THE PENNSYLVANIA ACT 141 AND DONOR INTENT, THE UNIVERSITY SPENDS A PREDETERMINED PORTION OF THE ENDOWMENT INCOME EACH YEAR ON FACULTY SUPPORT, STUDENT SUPPORT, AND GENERAL UNIVERSITY SUPPORT.

Part XIII Supplemental Information (continued)

PART X, LINE 2:

CARNEGIE MELLON IS A NONPROFIT ORGANIZATION AS DESCRIBED IN SECTION 501(C)(3) OF THE INTERNAL REVENUE CODE (THE "CODE") AND IS GENERALLY EXEMPT FROM INCOME TAXES ON RELATED INCOME PURSUANT TO SECTION 501(A) OF THE CODE.

THE UNIVERSITY ACCOUNTS FOR UNCERTAINTIES IN INCOME TAXES IN ACCORDANCE WITH AUTHORITATIVE GUIDANCE, WHICH PRESCRIBES A RECOGNITION THRESHOLD OF MORE-LIKELY-THAN-NOT TO BE SUSTAINED UPON EXAMINATION BY THE APPROPRIATE TAXING AUTHORITY. MEASUREMENT OF THE TAX UNCERTAINTY OCCURS IF THE RECOGNITION THRESHOLD HAS BEEN MET. MANAGEMENT DETERMINED THERE WAS NO TAX UNCERTAINTIES THAT MET THE RECOGNITION THRESHOLD AT JUNE 30, 2018 AND 2017.

THE UNIVERSITY'S FEDERAL EXEMPT ORGANIZATION BUSINESS INCOME TAX RETURNS REMAIN SUBJECT TO EXAMINATION BY THE INTERNAL REVENUE SERVICE FOR THE YEARS SUBSEQUENT TO JUNE 30, 2014.

THE UNIVERSITY'S POLICY IS TO RECOGNIZE INTEREST RELATED TO UNRECOGNIZED TAX BENEFITS IN INTEREST EXPENSE AND PENALTIES IN OPERATING EXPENSES.

PART XI, LINE 2D - OTHER ADJUSTMENTS:

COST OF GOODS SOLD	3,263,758.
SUBSIDIARY REVENUE	6,733,083.
RENTAL EXPENSE	273,625.
CHANGE IN SWAP VALUE NET OF INTEREST EXP	4,239,677.
TRANSLATION ADJUSTMENT & OTHER	-82,492.

Schedule D (Form 990) 2017

Part XIII Supplemental Information (continued)

UNCOLLECTIBLE PLEDGE WRITE OFFS	-7,144,822.
LOSS ON FORMER SUBSIDIARY	-2,629,536.
TOTAL TO SCHEDULE D, PART XI, LINE 2D	4,653,293.

PART XI, LINE 4B - OTHER ADJUSTMENTS:

FINANCIAL AID	158,730,276.
INVESTMENT MANAGER FEES	6,532,258.
GAIN ON SALE OF ASSETS	-161,160.
NET GAIN FROM FUNDRAISING EVENTS	141,123.
LAMME DISTRIBUTION	62,624.
TOTAL TO SCHEDULE D, PART XI, LINE 4B	165,305,121.

PART XII, LINE 2D - OTHER ADJUSTMENTS:

COST OF GOODS SOLD	3,263,758.
SUBSIDIARY EXPENSE	6,906,003.
RENTAL EXPENSE	273,625.
TOTAL TO SCHEDULE D, PART XII, LINE 2D	10,443,386.

PART XII, LINE 4B - OTHER ADJUSTMENTS:

FINANCIAL AID	158,730,276.
INVESTMENT MANAGER FEES	6,532,258.
TRANSLATION ADJUSTMENT & OTHER	82,017.
GAIN ON SALE OF ASSETS	-161,160.
LOSS ON FORMER SUBSIDIARY	2,629,536.
TOTAL TO SCHEDULE D, PART XII, LINE 4B	167,812,927.

PART XII:

RECONCILIATION OF REVENUE PER AUDITED FINANCIAL STATEMENTS WITH REVENUE

Schedule D (Form 990) 2017

Part XIII Supplemental Information (continued)

PER RETURN AND PART XIII - RECONCILIATION OF EXPENSES PER AUDITED
FINANCIAL STATEMENTS WITH EXPENSES PER RETURN: LINE 1 OF EACH PART
RESPECTIVELY CONSISTS OF CONSOLIDATED NUMBERS FROM THE AUDITED FINANCIAL
STATEMENTS AND RECONCILES TO THE STAND-ALONE (SEPARATE BASIS) REVENUE AND
EXPENSES AS REPORTED ON THE FORM 990, PART I, LINE 12.

SCHEDULE E
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Schools

- Complete if the organization answered "Yes" on Form 990, Part IV, line 13, or Form 990-EZ, Part VI, line 48.
► Attach to Form 990 or Form 990-EZ.
► Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2017

Open to Public Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I

- 1 Does the organization have a racially nondiscriminatory policy toward students by statement in its charter, bylaws, other governing instrument, or in a resolution of its governing body?
- 2 Does the organization include a statement of its racially nondiscriminatory policy toward students in all its brochures, catalogues, and other written communications with the public dealing with student admissions, programs, and scholarships?
- 3 Has the organization publicized its racially nondiscriminatory policy through newspaper or broadcast media during the period of solicitation for students, or during the registration period if it has no solicitation program, in a way that makes the policy known to all parts of the general community it serves? If "Yes," please describe. If "No," please explain.

If you need more space, use Part II

**THE NON-DISCRIMINATORY POLICY AND STATEMENT OF ASSURANCE
APPEARS ON PRINTED MATERIALS USED TO COMMUNICATE WITH
PROSPECTIVE AND CURRENT STUDENTS AS WELL AS EMPLOYEES OF
CARNEGIE MELLON UNIVERSITY.**

- 4 Does the organization maintain the following?
- a Records indicating the racial composition of the student body, faculty, and administrative staff?
- b Records documenting that scholarships and other financial assistance are awarded on a racially nondiscriminatory basis?
- c Copies of all catalogues, brochures, announcements, and other written communications to the public dealing with student admissions, programs, and scholarships?
- d Copies of all material used by the organization or on its behalf to solicit contributions?
- If you answered "No" to any of the above, please explain. If you need more space, use Part II.

- 5 Does the organization discriminate by race in any way with respect to:

- a Students' rights or privileges?
- b Admissions policies?
- c Employment of faculty or administrative staff?
- d Scholarships or other financial assistance?
- e Educational policies?
- f Use of facilities?
- g Athletic programs?
- h Other extracurricular activities?
- If you answered "Yes" to any of the above, please explain. If you need more space, use Part II.

- 6a Does the organization receive any financial aid or assistance from a governmental agency?
- b Has the organization's right to such aid ever been revoked or suspended?
- If you answered "Yes" on either line 6a or line 6b, explain on Part II.
- 7 Does the organization certify that it has complied with the applicable requirements of sections 4.01 through 4.05 of Rev. Proc. 75-50, 1975-2 C.B. 587, covering racial nondiscrimination? If "No," explain on Part II

YES NO

1

X

2

X

3

X

4a

X

4b

X

4c

X

4d

X

5a

X

5b

X

5c

X

5d

X

5e

X

5f

X

5g

X

5h

X

6a

X

6b

X

7

X

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990 or Form 990-EZ.

Schedule E (Form 990 or 990-EZ) 2017

Part II **Supplemental Information.** Provide the explanations required by Part I, lines 3, 4d, 5h, 6b, and 7, as applicable.

Also provide any other additional information.

LINE 6 - EXPLANATION OF GOVERNMENT FINANCIAL AID:

MONETARY GRANTS WERE RECEIVED FROM FEDERAL AND STATE AGENCIES TO PROVIDE
ASSISTANCE TO STUDENTS ATTENDING CARNEGIE MELLON UNIVERSITY.

SCHEDULE F
(Form 990)

Department of the Treasury
Internal Revenue Service

Statement of Activities Outside the United States

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 14b, 15, or 16.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public
Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I General Information on Activities Outside the United States. Complete if the organization answered "Yes" on

Form 990, Part IV, line 14b.

1 For grantmakers. Does the organization maintain records to substantiate the amount of its grants and other assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No

2 For grantmakers. Describe in Part V the organization's procedures for monitoring the use of its grants and other assistance outside the United States.

3 Activities per Region. (The following Part I, line 3 table can be duplicated if additional space is needed.)

(a) Region	(b) Number of offices in the region	(c) Number of employees, agents, and independent contractors in the region	(d) Activities conducted in the region (by type) (such as, fundraising, program services, investments, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in the region	(f) Total expenditures for and investments in the region
EUROPE (INCLUDING ICELAND & GREENLAND)			GRANTS TO RECIPIENTS LOCATED IN REGION	INTERNATIONAL STUDIES	419,825.
MIDDLE EAST AND NORTH AFRICA			GRANTS TO RECIPIENTS LOCATED IN REGION	INTERNATIONAL STUDIES	4,607,721.
SUB-SAHARAN AFRICA			GRANTS TO RECIPIENTS LOCATED IN REGION	INTERNATIONAL STUDIES	3,797,576.
EAST ASIA AND THE PACIFIC			GRANTS TO RECIPIENTS LOCATED IN REGION	INTERNATIONAL STUDIES	1,570,357.
NORTH AMERICA - CANADA AND MEXICO, BUT NOT THE UNITED STATES			GRANTS TO RECIPIENTS LOCATED IN REGION	INTERNATIONAL STUDIES	232,913.
CENTRAL AMERICA AND THE CARIBBEAN			PROGRAM SERVICES	EDUCATION	68,728.
EAST ASIA AND THE PACIFIC	2	110	PROGRAM SERVICES	EDUCATION	6,602,146.
EUROPE (INCLUDING ICELAND & GREENLAND)		9	PROGRAM SERVICES	EDUCATION	3,569,058.
3 a Sub-total	2	119			20,868,324.
b Total from continuation sheets to Part I	2	473			722,997,573.
c Totals (add lines 3a and 3b)	4	592			743,865,897.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule F (Form 990) 2017

Part I Continuation of Activities per Region. (Schedule F (Form 990), Part I, line 3)

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
MIDDLE EAST AND NORTH AFRICA	1	327	PROGRAM SERVICES	EDUCATION	59,999,953.
NORTH AMERICA - CANADA AND MEXICO, BUT NOT THE UNITED STATES			PROGRAM SERVICES	EDUCATION	771,901.
RUSSIA & THE NEWLY INDEPENDENT STATES			PROGRAM SERVICES	EDUCATION	27,734.
SOUTH AMERICA			PROGRAM SERVICES	EDUCATION	146,030.
SOUTH ASIA			PROGRAM SERVICES	EDUCATION	257,113.
SUB-SAHARAN AFRICA	1	146	PROGRAM SERVICES	EDUCATION	7,362,698.
EAST ASIA AND THE PACIFIC			UNRELATED BUSINESS	UBI EXPENSES	21,694.
CENTRAL AMERICA AND THE CARIBBEAN			PORTFOLIO INVESTMENTS		527,224,644.
EUROPE (INCLUDING ICELAND & GREENLAND)			PORTFOLIO INVESTMENTS		87,986,404.
SUB-SAHARAN AFRICA			PORTFOLIO INVESTMENTS		10,705,365.
Totals					

Part I Continuation of Activities per Region. (Schedule F (Form 990), Part I, line 3)

(a) Region	(b) Number of offices in the region	(c) Number of employees or agents in region	(d) Activities conducted in region (by type) (i.e., fundraising, program services, grants to recipients located in the region)	(e) If activity listed in (d) is a program service, describe specific type of service(s) in region	(f) Total expenditures for region
EAST ASIA AND THE PACIFIC			PORTFOLIO INVESTMENTS		22,709,625.
NORTH AMERICA			PORTFOLIO INVESTMENTS		5,724,549.
MIDDLE EAST AND NORTH AFRICA			RENTALS		59,863.
Totals	2	473			722,997,573.

Part II Grants and Other Assistance to Organizations or Entities Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 15, for any recipient who received more than \$5,000. Part II can be duplicated if additional space is needed.

1 (a) Name of organization	(b) IRS code section and EIN (if applicable)	(c) Region	(d) Purpose of grant	(e) Amount of cash grant	(f) Manner of cash disbursement	(g) Amount of noncash assistance	(h) Description of noncash assistance	(i) Method of valuation (book, FMV, appraisal, other)
		EUROPE (INCLUDING ICELAND & GREENLAND)	SUBCONTRACTS	154,798.	CASH; ELECTRONIC FUND TRANSFER	0.	N/A	N/A
		MIDDLE EAST AND NORTH AFRICA	SUBCONTRACTS	145,640.	CASH; ELECTRONIC FUND TRANSFER	0.	N/A	N/A
		NORTH AMERICA - CANADA AND MEXICO, BUT NOT THE UNITED STATES	SUBCONTRACTS	230,970.	CASH; ELECTRONIC FUND TRANSFER	0.	N/A	N/A
		SUB-SAHARAN AFRICA	SUBCONTRACTS	305,000.	CASH; ELECTRONIC FUND TRANSFER	0.	N/A	N/A
		EAST ASIA AND THE PACIFIC	SUBCONTRACTS	153,521.	CASH; ELECTRONIC FUND TRANSFER	0.	N/A	N/A

2 Enter total number of recipient organizations listed above that are recognized as charities by the foreign country, recognized as tax-exempt by the IRS, or for which the grantee or counsel has provided a section 501(c)(3) equivalency letter

13

3 Enter total number of other organizations or entities

2

Part III Grants and Other Assistance to Individuals Outside the United States. Complete if the organization answered "Yes" on Form 990, Part IV, line 16.

Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Region	(c) Number of recipients	(d) Amount of cash grant	(e) Manner of cash disbursement	(f) Amount of noncash assistance	(g) Description of noncash assistance	(h) Method of valuation (book, FMV, appraisal, other)
STUDENT SCHOLARSHIPS	EAST ASIA AND THE PACIFIC	261	1,416,836.	CHECK; ELECTRONIC FUND TRANSFER; POSTING TO STUDENT ACCOUNT	0.	N/A	N/A
STUDENT SCHOLARSHIPS	MIDDLE EAST AND NORTH AFRICA	178	4,462,081.	CHECK; ELECTRONIC FUND TRANSFER; POSTING TO STUDENT ACCOUNT	0.	N/A	N/A
STUDENT SCHOLARSHIPS	SUB-SAHARAN AFRICA	303	3,487,576.	CHECK; ELECTRONIC FUND TRANSFER; POSTING TO STUDENT ACCOUNT	0.	N/A	N/A
STUDENT SCHOLARSHIPS	EUROPE	39	256,255.	CHECK; ELECTRONIC FUND TRANSFER; POSTING TO STUDENT ACCOUNT	0.	N/A	N/A

Part IV Foreign Forms

- 1** Was the organization a U.S. transferor of property to a foreign corporation during the tax year? If "Yes," the organization may be required to file Form 926, Return by a U.S. Transferor of Property to a Foreign Corporation (see Instructions for Form 926) ☒ Yes ☐ No
- 2** Did the organization have an interest in a foreign trust during the tax year? If "Yes," the organization may be required to separately file Form 3520, Annual Return To Report Transactions With Foreign Trusts and Receipt of Certain Foreign Gifts, and/or Form 3520-A, Annual Information Return of Foreign Trust With a U.S. Owner (see Instructions for Forms 3520 and 3520-A; don't file with Form 990) ☐ Yes ☒ No
- 3** Did the organization have an ownership interest in a foreign corporation during the tax year? If "Yes," the organization may be required to file Form 5471, Information Return of U.S. Persons With Respect To Certain Foreign Corporations (see Instructions for Form 5471) ☒ Yes ☐ No
- 4** Was the organization a direct or indirect shareholder of a passive foreign investment company or a qualified electing fund during the tax year? If "Yes," the organization may be required to file Form 8621, Information Return by a Shareholder of a Passive Foreign Investment Company or Qualified Electing Fund (see Instructions for Form 8621) ☒ Yes ☐ No
- 5** Did the organization have an ownership interest in a foreign partnership during the tax year? If "Yes," the organization may be required to file Form 8865, Return of U.S. Persons With Respect to Certain Foreign Partnerships (see Instructions for Form 8865) ☒ Yes ☐ No
- 6** Did the organization have any operations in or related to any boycotting countries during the tax year? If "Yes," the organization may be required to separately file Form 5713, International Boycott Report (see Instructions for Form 5713; don't file with Form 990) ☒ Yes ☐ No

Schedule F (Form 990) 2017

Part V Supplemental Information

Provide the information required by Part I, line 2 (monitoring of funds); Part I, line 3, column (f) (accounting method; amounts of investments vs. expenditures per region); Part II, line 1 (accounting method); Part III (accounting method); and Part III, column (c) (estimated number of recipients), as applicable. Also complete this part to provide any additional information. See instructions.

PART I, LINE 2:

CMU DISTRIBUTES LIMITED FINANCIAL AID AND GRANT FUNDS TO STUDENTS AT ITS INTERNATIONAL LOCATIONS PURSUANT TO A STATISTICAL MODEL THAT TAKES INTO ACCOUNT A STUDENT'S INTENDED COLLEGE MAJOR, ACADEMIC AND ARTISTIC TALENTS, AS WELL AS FINANCIAL NEED. SUCH FUNDS ARE TYPICALLY APPLIED DIRECTLY TO THEIR INDIVIDUAL ACCOUNTS IN FURTHERANCE OF THEIR EDUCATION AT CMU.

SPONSORED PROJECT FUNDS ARE PASSED THROUGH TO SUB-GRANTEE ORGANIZATIONS BY CARNEGIE MELLON WHEN SUCH SUB-GRANTEE ARRANGEMENTS ARE APPROVED BY THE PRIMARY GRANT SPONSOR. THESE FUNDS ARE MONITORED BY THE OFFICE OF SPONSORED PROJECTS AND SPONSORED PROJECTS ACCOUNTING.

Part II Fundraising Events. Complete if the organization answered "Yes" on Form 990, Part IV, line 18, or reported more than \$15,000 of fundraising event contributions and gross income on Form 990-EZ, lines 1 and 6b. List events with gross receipts greater than \$5,000.

		(a) Event #1	(b) Event #2	(c) Other events	(d) Total events (add col. (a) through col. (c))
		METROLAB NETWORK ANNUGOLF OUTING (event type)	FOOTBALL (event type)	1 (total number)	
Revenue	1 Gross receipts	186,509.	36,775.	6,700.	229,984.
	2 Less: Contributions		13,150.		13,150.
	3 Gross income (line 1 minus line 2)	186,509.	23,625.	6,700.	216,834.
Direct Expenses	4 Cash prizes				
	5 Noncash prizes				
	6 Rent/facility costs	70.	13,020.	3,564.	16,654.
	7 Food and beverages	7,204.		17,698.	24,902.
	8 Entertainment			600.	600.
	9 Other direct expenses	12,278.	16,491.	4,786.	33,555.
	10 Direct expense summary. Add lines 4 through 9 in column (d)				75,711.
11 Net income summary. Subtract line 10 from line 3, column (d)				141,123.	

Part III Gaming. Complete if the organization answered "Yes" on Form 990, Part IV, line 19, or reported more than \$15,000 on Form 990-EZ, line 6a.

		(a) Bingo	(b) Pull tabs/instant bingo/progressive bingo	(c) Other gaming	(d) Total gaming (add col. (a) through col. (c))
Revenue	1 Gross revenue				
	2 Cash prizes				
Direct Expenses	3 Noncash prizes				
	4 Rent/facility costs				
	5 Other direct expenses				
	6 Volunteer labor	<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	<input type="checkbox"/> Yes _____ % <input type="checkbox"/> No	
	7 Direct expense summary. Add lines 2 through 5 in column (d)				
	8 Net gaming income summary. Subtract line 7 from line 1, column (d)				

9 Enter the state(s) in which the organization conducts gaming activities: _____

a Is the organization licensed to conduct gaming activities in each of these states? ☐ Yes ☐ Nob If "No," explain: _____
_____10a Were any of the organization's gaming licenses revoked, suspended, or terminated during the tax year? ☐ Yes ☐ Nob If "Yes," explain: _____

- 11 Does the organization conduct gaming activities with nonmembers? ☐ Yes ☐ No
- 12 Is the organization a grantor, beneficiary or trustee of a trust, or a member of a partnership or other entity formed to administer charitable gaming? ☐ Yes ☐ No
- 13 Indicate the percentage of gaming activity conducted in:
- | | | |
|-------------------------------|-----|---|
| a The organization's facility | 13a | % |
| b An outside facility | 13b | % |
- 14 Enter the name and address of the person who prepares the organization's gaming/special events books and records:

Name ▶ _____

Address ▶ _____

- 15a Does the organization have a contract with a third party from whom the organization receives gaming revenue?
- ☐
- Yes
- ☐
- No

b If "Yes," enter the amount of gaming revenue received by the organization ▶ \$ _____ and the amount of gaming revenue retained by the third party ▶ \$ _____

c If "Yes," enter name and address of the third party:

Name ▶ _____

Address ▶ _____

16 Gaming manager information:

Name ▶ _____

Gaming manager compensation ▶ \$ _____

Description of services provided ▶ _____

☐ Director/officer☐ Employee☐ Independent contractor

17 Mandatory distributions:

a Is the organization required under state law to make charitable distributions from the gaming proceeds to retain the state gaming license? ☐ Yes ☐ No

b Enter the amount of distributions required under state law to be distributed to other exempt organizations or spent in the organization's own exempt activities during the tax year ▶ \$ _____

Part IV Supplemental Information. Provide the explanations required by Part I, line 2b, columns (iii) and (v); and Part III, lines 9, 9b, 10b, 15b, 15c, 16, and 17b, as applicable. Also provide any additional information. See instructions.

Part IV Supplemental Information (continued)

Lined area for supplemental information.

SCHEDULE I
(Form 990)

Department of the Treasury
Internal Revenue Service

**Grants and Other Assistance to Organizations,
Governments, and Individuals in the United States**
Complete if the organization answered "Yes" on Form 990, Part IV, line 21 or 22.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2017

**Open to Public
Inspection**

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I General Information on Grants and Assistance

1 Does the organization maintain records to substantiate the amount of the grants or assistance, the grantees' eligibility for the grants or assistance, and the selection criteria used to award the grants or assistance? ☒ Yes ☐ No

2 Describe in Part IV the organization's procedures for monitoring the use of grant funds in the United States.

Part II Grants and Other Assistance to Domestic Organizations and Domestic Governments. Complete if the organization answered "Yes" on Form 990, Part IV, line 21, for any recipient that received more than \$5,000. Part II can be duplicated if additional space is needed.

1 (a) Name and address of organization or government	(b) EIN	(c) IRC section (if applicable)	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of noncash assistance	(h) Purpose of grant or assistance
21ST CENTURY MEDICINE INC 14960 HILTON DR FONTANA, CA 92336	33-0559567		29,000.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ADANT TECHNOLOGIES 6200 STONERIDGE MALL RD, STE 300 PLEASANTON, CA 94588	36-4751067		63,592.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ADC ACQUISITION CO 2 COMMERCE PARK DR NISKAYUNA, NY 12309	APPLIED FOR		21,391.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ADVANCED RESPIRATORY TECHNOLOGIES LLC - 1105 WILLIAM PITT WAY - PITTSBURGH, PA 15238	47-3573079		127,540.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
AFRICA-AMERICA INSTITUTE, THE 420 LEXINGTON AVE, STE 1706 NEW YORK, NY 10170	53-0218859	501(C)(3)	25,000.	0.	N/A	N/A	PROGRAM SERVICE
ALLEGHENY CONFERENCE ON COMMUNITY 11 STANWIX STREET, 17TH FLOOR PITTSBURGH, PA 15222	25-0965213	501(C)(3)	37,500.	0.	N/A	N/A	PROGRAM SERVICE

2 Enter total number of section 501(c)(3) and government organizations listed in the line 1 table ▶ **100.**

3 Enter total number of other organizations listed in the line 1 table ▶ **38.**

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule I (Form 990) (2017)

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
ALLEGHENY DIGITAL INC 110 GODFREY LANDING LEECHBURG, PA 15656	35-2358575		46,800.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ALLEGHENY VALLEY SCHOOL DISTRICT 300 PEARL AVE CHESWICK, PA 15024	25-6004061	115	31,914.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ALLEGHENY-SINGER RESEARCH INSTITUTE - RESEARCH ACCTG AND REPORTING, PO BOX 951765 - CLEVELAND, OH 44193	25-1320493	501(C)(3)	135,109.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
AMERICAN HEART ASSOCIATION 7272 GREENVILLE AVENUE DALLAS, TX 75231	13-5613797	501(C)(3)	30,000.	0.	N/A	N/A	PROGRAM SERVICE
AMERICAN PRODUCTIVITY & QUALITY CENTER (APQC) - 123 N POST OAK LANE 3RD FLOOR - HOUSTON, TX 77024-7797	74-2094629	501(C)(3)	246,280.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ANITA BORG INSTITUTE FOR WOMEN & TECHNOLOGY - 1501 PAGE MILL RD, MS1105 - PALO ALTO, CA 94304	77-0480427	501(C)(3)	7,000.	0.	N/A	N/A	PROGRAM SERVICE
APPLIGENT INC 22 E BALTIMORE AVE LANSDOWNE, PA 19050-2202	23-2634973		11,690.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ARIZONA STATE UNIVERSITY AWARD MANAGEMENT, PO BOX 876011 TEMPE, AZ 85287-6011	86-0196696	115	184,684.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ASSOCIATION FOR COMPUTING MACHINERY - 2 PENN PLAZA, STE 701 - NEW YORK, NY 10121	13-1921358	501(C)(3)	8,000.	0.	N/A	N/A	PROGRAM SERVICE

Schedule I (Form 990)

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
BATTELLE PACIFIC NORTHWEST NATIONAL LABS - PNNL, ATTN: CASHIER, PO BOX 84391 - SEATTLE, WA 98124-5691	31-4379427	501(C)(3)	22,907.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
BLUE GLACIER MANAGEMENT GROUP, INC. - 2359 S QUEEN ST - ARLINGTON, VA 22202	65-1207527		685,608.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
BOARD OF REGENTS NEVADA SYSTEM OF HIGHER EDUCATION - 1664 N VIRGINIA ST, MAILSTOP 0124 - RENO, NV 89557-0124	88-6000024	501(C)(3)	42,829.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
BOOZ ALLEN HAMILTON INC PO BOX 8500, S-2725 PHILADELPHIA, PA 19178	36-2513626		210,726.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
BOSTON UNIVERSITY GRANTS RECEIVABLE, PO BOX 28763 NEW YORK, NY 10087-8763	04-2103547	501(C)(3)	13,652.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
BRIGHAM YOUNG UNIVERSITY GRANTS & CONTRACTS ACCT, A-261 ASB PROVO, UT 84602-1128	87-0217280	501(C)(3)	40,585.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
CALIFORNIA INSTITUTE OF TECHNOLOGY 1200 CALIFORNIA BLVD, M/C 153-84 PASADENA, CA 91125	95-1643307	501(C)(3)	253,722.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
CARLOW UNIVERSITY 3333 5TH AVE PITTSBURGH, PA 15213	25-0965438	501(C)(3)	36,500.	0.	N/A	N/A	PROGRAM SUPPORT
CARNEGIE INSTITUTE 4400 FORBES AVENUE PITTSBURGH, PA 15213	25-0965280	501(C)(3)	47,360.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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CLARKSON UNIVERSITY PO BOX 5546 POTSDAM, NY 13699-5546	15-0543659	501(C)(3)	59,723.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
CLEAN WATER FUND 23885 DENTON, STE B CLINTON TWP, MI 48036	52-1043444	501(C)(3)	21,658.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
CLEMSON UNIVERSITY 108 ADMINISTRATIVE SERVICES BLDG CLEMSON, SC 29634	57-6000254	501(C)(3)	64,388.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
COLUMBIA UNIVERSITY SPONSORED PROJECTS FINANCE, PO BOX 29789, GENERAL POST OFFICE - NEW YORK, NY	13-5598093	501(C)(3)	162,596.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
CORNELL UNIVERSITY SPONSORED FUNDS ACCOUNTING, PO BOX ITHACA, NY 14851-0022	15-0532082	501(C)(3)	36,138.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
CRAFTON HEIGHTS COMMUNITY PRESCHOOL - 50 STRATMORE AVE - PITTSBURGH, PA 15205	25-6003718		8,362.	0.	N/A	N/A	PROGRAM SERVICE
CYBERBALANCE LLC 5909 CLERMONT LANDING CT BURKE, VA 22015	20-8692160		1,593,455.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
DELTA RISK, LLC 106 S ST MARYS ST, STE 428 SAN ANTONIO, TX 78205	41-2253196		4,713,688.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
DEPENDABLE GLOBAL SOLUTIONS 3110 FAIRVIEW PARK DR, STE 950 FALLS CHURCH, VA 22042	20-1660971		500,144.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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DREXEL UNIVERSITY TD BANK, PO BOX 95000-1090 PHILADELPHIA, PA 19195-1090	23-1352630	501(C)(3)	23,026.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
DUKE UNIVERSITY ACCTS RECEIVABLE LOCKBOX, PO BOX 60 CHARLOTTE, NC 28260-2651	56-0532129	501(C)(3)	46,094.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
EDUCATION TRAINING AND RESEARCH ASSOCIATES - 100 ENTERPRISE WAY, STE G300 - SCOTTS VALLEY, CA 95066	94-2760764	501(C)(3)	252,488.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ELSEVIER INC PO BOX 7247-8455 PHILADELPHIA, PA 19170-8455	13-1958712		82,500.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
FAMILY HOUSE INC 5001 BAUM BLVD, STE 545 PITTSBURGH, PA 15213	25-1519959	501(C)(3)	10,000.	0.	N/A	N/A	PROGRAM SERVICE
FORDHAM UNIVERSITY 441 E FORDHAM RD BRONX, NY 10458	13-1740451	501(C)(3)	51,859.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
GEORGETOWN UNIVERSITY BOX 571164, OFFICE OF SPONSORED ACC WASHINGTON, DC 20007-1164	53-0196603	501(C)(3)	20,188.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
GEORGIA TECH RESEARCH CORP. P O BOX 100117 ATLANTA, GA 30384	58-2374837	501(C)(3)	93,515.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
GRAY TIER TECHNOLOGIES LLC 2331 MILL RD, SUITE 100 ALEXANDRIA, VA 22314	47-2520527		174,976.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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GROUP AGAINST SMOG AND POLLUTION INC - 1133 S BRADDOCK AVE, SUITE 1A - PITTSBURGH, PA 15218	20-0011194	501(C)(3)	7,385.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
HARVARD UNIVERSITY PRESIDENT & FELLOWS OF HARVARD COLLEGE, PO BOX 415649 - BOSTON, MA 02241-564	04-2103580	501(C)(3)	34,469.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
HISTORICAL SOCIETY OF WESTERN PA 1212 SMALLMAN ST PITTSBURGH, PA 15222	25-0965391	501(C)(3)	8,000.	0.	N/A	N/A	PROGRAM SERVICE
INSTITUTE FOR ADVANCED STUDY - LOUIS BAMBERGER & MRS. FELIX FULD FOUNDATION - EINSTEIN DR - PRINCETON, NJ 08540	21-0634988	501(C)(3)	79,178.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
INTEC LLC 10306 EATON PL #520 FAIRFAX, VA 22030	20-0926568		25,000.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
IOMAXIS LLC 10505 FURNACE RD, SUITE 101 LORTON, VA 22079	20-1538682		84,126.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
JOHNS HOPKINS UNIVERSITY CENTRAL LOCKBOX, C/O BANK OF AMERICA, 12529 COLLECTIONS CENTER DRIVE - CHICAG	52-0595110	501(C)(3)	114,867.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
KANSAS STATE UNIVERSITY 2323 ANDERSON AVE, SUITE 600 MANHATTAN, KS 66502	48-0771751	115	22,600.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
KENT STATE UNIVERSITY FOUNDATION INC - PO BOX 5190 - KENT, OH 44242-0001	34-6576307	501(C)(3)	13,080.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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LEIDOS INC PO BOX 223058 PITTSBURGH, PA 15251-2058	95-3630868		154,845.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MARINUS ANALYTICS LLC PO BOX 23235 PITTSBURGH, PA 15217	46-5724682		63,025.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MARSHALL UNIVERSITY RESEARCH CORPORATION - ONE JOHN MARSHALL DR - HUNTINGTON, WV 25755	55-0683361	501(C)(3)	65,399.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MASSACHUSETTS INSTITUTE OF TECHNOLOGY - CASHIER'S OFFICE NE49-3077, 77 MASSACHUSETTS AVE - CAMBRIDGE, MA 02139	04-2103594	501(C)(3)	519,013.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MEMORIAL UNIVERSITY OF NEW FOUNDLAND - ELIZABETH AVENUE - ST JOHN'S DEPT OF FINANCE & ADMIN SERVICES - ST. JOHN'S,	APPLIED FOR		93,630.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MESH ROBOTICS LLC 142 CRESCENT DR PITTSBURGH, PA 15228	46-1306680		125,000.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MICHIGAN STATE UNIVERSITY CONTRACT & GRANT ADMN, 426 AUDITORIUM RD ROOM 2 - EAST LANSING, MI 48824	38-6005984	115	38,750.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
MINGO COUNTY BOARD OF EDUCATION RT 2 BOX 310 WILLIAMSON, WV 25661	55-6000363	115	30,361.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
NATIONAL BUREAU OF ECONOMIC RESEARCH - 1050 MASSACHUSETTS AVE - CAMBRIDGE, MA 02138	13-1641075	501(C)(3)	20,464.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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NATIONAL PEACE CORPS ASSOCIATION 1900 L STREET NW, STE 160 WASHINGTON, DC 20036	58-1431113	501(C)(3)	7,500.	0.	N/A	N/A	PROGRAM SERVICE
NATIONAL RURAL ELECTRIC COOPERATIVE ASSN - 4301 WILSON BLVD - ARLINGTON, VA 22203-1860	53-0116145	501(C)(3)	55,755.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
NEW YORK UNIVERSITY 105 EAST 17TH ST 3RD FL NEW YORK, NY 10003	13-5562308	501(C)(3)	163,522.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
NEXIGHT GROUP, LLC 8403 COLESVILLE RD, SUITE 1240 SILVER SPRING, MD 20910-6331	27-2488165		28,273.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
NORTH CAROLINA STATE UNIVERSITY OFFICE OF GRANTS AND CONTRACTS, CAMPUS BOX 7214 - RALEIGH, NC 27695-7214	56-6000756	115	135,063.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
NORTHEASTERN UNIVERSITY 360 HUNTINGTON AVE 320RP BOSTON, MA 02115	04-1679980	501(C)(3)	267,336.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
OAKLAND CATHOLIC HIGH SCHOOL INC 144 NORTH CRAIG STREET, ADVANCEMENT OFFICE - PITTSBURGH, PA 15213	25-1604103	501(C)(3)	11,460.	0.	N/A	N/A	PROGRAM SERVICE
OHIO STATE UNIVERSITY ACCOUNTING DEPT, 4TH FL, 1960 KENNY COLUMBUS, OH 43210-1063	31-6025986	501(C)(1)	173,993.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
PENN STATE UNIVERSITY RESEARCH ACCOUNTING 401 RIDER II BLDG, 227 W BEAVER AVE STE 401 - STATE COLL	24-6000376	115	243,644.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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PITTSBURGH CULTURAL TRUST 803 LIBERTY AVE PITTSBURGH, PA 15222	25-1469002	501(C)(3)	27,721.	0.	N/A	N/A	PROGRAM SERVICE
THE PITTSBURGH SYMPHONY HEINZ HALL, 600 PENN AVE PITTSBURGH, PA 15222	25-0986052	501(C)(3)	10,000.	0.	N/A	N/A	PROGRAM SERVICE
PITTSBURGH TECHNOLOGY COUNCIL 2000 TECHNOLOGY DR PITTSBURGH, PA 15219	25-1437854	501(C)(6)	10,000.	0.	N/A	N/A	PROGRAM SERVICE
PITTSBURGH URBAN CHRISTIAN SCHOOL 809 CENTER ST PITTSBURGH, PA 15221	25-1405301	501(C)(3)	20,517.	0.	N/A	N/A	PROGRAM SERVICE
PITTSBURGH VENTURE CAPITAL 2580 N LIGHTWOOD AVE, CHAPTER ADMINISTRATOR - BETHEL PARK, PA 15102	25-1566467	501(C)(6)	20,700.	0.	N/A	N/A	PROGRAM SERVICE
PLANETARY SCIENCE INSTITUTE 1700 E FT LOWELL RD, STE 106 TUCSON, AZ 85719-2395	33-0175263	501(C)(3)	28,410.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
PLANNED PARENTHOOD OF CENTRAL AND GREATER NORTHERN NEW JERSEY INC - 196 SPEEDWELL AVENUE - MORRISTOWN, NJ 07960	22-1643997	501(C)(3)	26,260.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
PRIME ACCESS CONSULTING INC 312 MONTIBELLO DR CARY, NC 27513	46-1378546		46,250.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
PRINCETON UNIVERSITY 701 CARNEGIE CENTER PRINCETON, NJ 08540	21-0634501	501(C)(3)	131,842.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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PURDUE UNIVERSITY SPONSORED PROGRAM SERVICES, 23510 NETWORK PLACE - CHICAGO, IL 60673-1235	35-6002041	501(C)(3)	120,577.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
RACK-WILDNER & REESE INC 2325 E CARSON ST PITTSBURGH, PA 15203	25-1860420		118,263.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
RAND CORP 1700 MAIN ST, PO BOX 2138 SANTA MONICA, CA 90407-2138	95-1958142	501(C)(3)	6,081.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
REGENTS OF UNIVERSITY OF CALIFORNIA - 9500 GILMAN DR -OFC CONTRACT & GRANT ADM - LA JOLLA, CA 92093	94-6002123	501(C)(3)	34,516.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
THE REGIONAL OPPORTUNITY CENTER 707 GRANT ST, SUITE 2305 PITTSBURGH, PA 15219	20-2939474	501(C)(3)	7,500.	0.	N/A	N/A	PROGRAM SERVICE
RESEARCH FOUNDATION OF STATE UNIV OF NEW YORK - PO BOX 9 - ALBANY, NY 12201-0009	14-1368361	115	443,175.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ROBERT BOSCH NORTH AMERICA CORPORATION - 38000 HILLS TECH DR - FARMINGTON HILLS, MI 48331	20-8094708		120,322.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
SACRED HEART ELEMENTARY SCHOOL 325 EMERSON ST PITTSBURGH, PA 15206	25-2056201		9,900.	0.	N/A	N/A	PROGRAM SERVICE
SERRA CATHOLIC HIGH SCHOOL INC 200 HERSHEY DR MCKEESPORT, PA 15132	20-5696522	501(C)(3)	20,699.	0.	N/A	N/A	PROGRAM SUPPORT

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SIEMENS CORPORATION SIEMENS SHARED SVCS, PO BOX 371614 PITTSBURGH, PA 15251-7614	13-2623356		237,339.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
SKAION CORP 51 MIDDLESEX ST, STE 114 NORTH CHELMSFORD, MA 01863	04-3420459		160,996.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
SPIRALGEN, INC. 201 S CRAIG ST, STE 2E PITTSBURGH, PA 15213	27-0171738		195,850.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
ST PHILIP PARISH 50 W CRAFTON AVE PITTSBURGH, PA 15205	25-0966604		11,050.	0.	N/A	N/A	PROGRAM SUPPORT
STANFORD UNIVERSITY P.O. BOX 44253 SAN FRANCISCO, CA 94144-4253	94-1279777	501(C)(3)	346,959.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
STROUD WATER RESEARCH CENTER INC 970 SPENCER RD AVONDALE, PA 19311-9514	52-2081073	501(C)(3)	15,269.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
SUNDANCE INSTITUTE P.O. BOX 684429 PARK CITY, UT 84068	87-0361394	501(C)(3)	12,000.	0.	N/A	N/A	PROGRAM SUPPORT
SYRACUSE UNIVERSITY BURSAR OPERATIONS, 102 ARCHBOLD N SYRACUSE, NY 13244-1140	15-0532081	501(C)(3)	66,598.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
TECHNICAL EDUCATION RESEARCH CENTERS INC - 2067 MASSACHUSETTS AVE - CAMBRIDGE, MA 02140	04-6134355	501(C)(3)	8,350.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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TISSUE TESTING TECHNOLOGIES LLC 2231 TECHNICAL PKWY, STE A N CHARLESTON, SC 29406	47-2583753		21,110.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
TRUSTEES UNIVERSITY OF PENNSYLVANIA - PO BOX 785541 - PHILADELPHIA, PA 19178-5541	23-1352685	501(C)(3)	834,498.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNITED TECHNOLOGIES CORP PO BOX 416678 BOSTON, MA 02241-6678	06-0570975		101,507.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF ALABAMA IN HUNTSVILLE, THE - 301 SPARKMAN DR - HUNTSVILLE, AL 35899	63-0520830	501(C)(3)	198,504.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF ARKANSAS AT LITTLE ROCK - 2801 S UNIVERSITY AVE - LITTLE ROCK, AR 72204	71-0236904	115	19,802.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF CALIFORNIA LOS ANGELES - PO BOX 957089, 1125 MURPHY HALL, 405 HILGARD AVE - LOS ANGELES, CA 90095-9000	95-6006143	501(C)(3)	15,925.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF CINCINNATI SRS ACCOUNTING, PO BOX 932641 CLEVELAND, OH 44193		115	50,835.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF COLORADO PO BOX 910220 DENVER, CO 80291-0220	84-6000555	501(C)(3)	38,468.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF FLORIDA ORAL HISTORY PROGRAM, 241 PUGH HALL GAINESVILLE, FL 32611	59-6002052	115	5,522.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

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UNIVERSITY OF ILLINOIS 28392 NETWORK PL CHICAGO, IL 60673-1283	37-6000511	501(C)(3)	72,738.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF IOWA, THE B5 JESSUP HALL, 5 W JEFFERSON ST IOWA CITY, IA 52242-1316	46-6004813	501(C)(3)	226,142.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF MARYLAND BALTIMORE COUNTY (UMBC) - 1000 HILL TOP CIRCLE - BALTIMORE, MD 21250	52-6002033	115	237,110.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF MASSACHUSETTS 408 GOODELL BLDG GRANTS & CONTRACT ADMINISTRATION - AMHERST, MA 01003-3285	04-3167352	501(C)(1)	90,461.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF MEMPHIS PO BOX 1000 DEPT 313 MEMPHIS, TN 38148-0313	62-0648618	501(C)(3)	149,017.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF MICHIGAN 2044 WOLVERINE TWR. 3003 S STATE ST, OFFICE OF CONTRACT ADMINISTRATION - ANN	38-6005984	501(C)(3)	362,297.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF MINNESOTA NW 5957, P.O. BOX 1450 MINNEAPOLIS, MN 55485-5957	41-6007513	115	431,318.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF MISSOURI PO BOX 807012 KANSAS CITY, MO 64180-7012	43-6003859	115	33,700.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF NEW MEXICO, THE C/O FINANCIAL SERVICES HSC, 1 UNIV OF NEW MEXICO, MSC09 5220 - ALBUQUERQUE,	85-6000642	501(C)(3)	80,476.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

Schedule I (Form 990)

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF OREGON OREGON UNIVERSITY SYSTEM, PO BOX 32 EUGENE, OR 97403-0237	93-6015767	501(C)(3)	29,036.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF PENNSYLVANIA PO BOX 785541 PHILADELPHIA, PA 19178-5541	23-1352685	501(C)(3)	511,129.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF PITTSBURGH PO BOX 371220 PITTSBURGH, PA 15251-7220	25-0965591	501(C)(3)	1,944,798.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF PUERTO RICO PO BOX 9001 MAYAGUEZ, PUERTO RICO 00681-9001	66-0433760	501(C)(3)	10,000.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF SAN DIEGO 5998 ALCALA PARK SAN DIEGO, CA 92110-2492	95-2544535	501(C)(3)	50,012.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF SOUTH CAROLINA EDUCATIONAL FOUNDATION - 1027 BARNWELL ST - COLUMBIA, SC 29208	57-6017985	501(C)(3)	35,082.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF SOUTHERN CALIFORNIA SPONSERED PROJECTS ACCOUNTING LOS ANGELES, CA 90074-2095	95-1642394	501(C)(3)	593,708.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF TEXAS AT AUSTIN OFFICE OF ACCOUNTING, PO BOX 7159 AUSTIN, TX 78713-7159	74-6000203	115	101,770.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF TEXAS AT EL PASO 500 W UNIVERSITY, CONTRACTS & GRANTS ACCT RM200 ADM BLDG - EL PASO, TX 79968	74-6000813	501(C)(3)	71,749.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

Schedule I (Form 990)

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
UNIVERSITY OF TEXAS AT SAN ANTONIO ONE UTSA CIRCLE SAN ANTONIO, TX 78249-1644	74-1977996	501(C)(3)	18,864.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF VIRGINIA ATTN: OFFICE OF SPONSORED PROGRAMS, PO BOX 400195 - CHARLOTTESVILLE, VA 2290	54-1682176	501(C)(3)	102,456.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF WASHINGTON 4333 BROOKLYN AVE NE SEATTLE, WA 98195-9472	91-6001537	115	597,199.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
UNIVERSITY OF WYOMING 1000 E UNIVERSITY AVE, DEPT 3355 LARAMIE, WY 82071	83-6000331	115	29,466.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
VERIS GROUP, LLC 8229 BOONE BLVD VIENNA, VA 22182	20-2300601		492,495.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
VERMONT LAW SCHOOL PO BOX 96 SOUTH ROYALTON, VT 05068	23-7251952	501(C)(3)	13,998.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
VIRGINIA COMMONWEALTH UNIVERSITY 327 W. MAIN ST, PO BOX 843039 RICHMOND, VA 23284-3039	54-0757884	501(C)(3)	30,746.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
VIRGINIA TECH 300 TURNER ST SUITE 4200 BLACKSBURG, VA 24061	54-6001805	115	55,753.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
VISIONQUEST SYSTEMS INC 3314 KEMPER RD ARLINGTON, VA 22206	04-3692674		401,248.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

Part II Continuation of Grants and Other Assistance to Governments and Organizations in the United States (Schedule I (Form 990), Part II.)

(a) Name and address of organization or government	(b) EIN	(c) IRC section if applicable	(d) Amount of cash grant	(e) Amount of non-cash assistance	(f) Method of valuation (book, FMV, appraisal, other)	(g) Description of non-cash assistance	(h) Purpose of grant or assistance
WASHINGTON STATE UNIVERSITY 240 FRENCH ADM BLDG, PO BOX 641025 PULLMAN, WA 99164-1025	91-6001108	115	5,045.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
WAYNE STATE UNIVERSITY CASHIER'S OFFICE, PO BOX 02788 DETROIT, MI 48202	38-3555142	501(C)(3)	102,203.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
WESLEYAN UNIVERSITY FINANCE/GRANTS ACCOUNTING, 287 HIGH MIDDLETOWN, CT 06459	06-0646959	501(C)(3)	23,347.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
WEST LIBERTY UNIVERSITY FOUNDATION INC - 208 UNIVERSITY DR, CSC #126 - WEST LIBERTY, WV 26074	55-0480299	501(C)(3)	70,077.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
WEST VIRGINIA UNIVERSITY FOUNDATION INC - ONE WATERFRONT PL, 7TH FL - MORGANTOWN, WV 26507	55-6017181	501(C)(3)	120,795.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS
WEST VIRGINIA UNIVERSITY RESEARCH CORP - PO BOX 6002 - MORGANTOWN, WV 26506	55-0665758	501(C)(3)	70,285.	0.	N/A	N/A	EDUCATION/RESEARCH SUBCONTRACTS

Part III **Grants and Other Assistance to Domestic Individuals.** Complete if the organization answered "Yes" on Form 990, Part IV, line 22.
 Part III can be duplicated if additional space is needed.

(a) Type of grant or assistance	(b) Number of recipients	(c) Amount of cash grant	(d) Amount of non-cash assistance	(e) Method of valuation (book, FMV, appraisal, other)	(f) Description of noncash assistance
CMU SCHOLARSHIPS	1499	136,820,253.	0.	N/A	N/A
ENDOWED STUDENT SCHOLARSHIPS	8060	12,530,730.	0.	N/A	N/A
FEDERAL GRANT	725	2,087,100.	0.	N/A	N/A
EXTERNAL DONOR OR CORPORATE FUNDED SCHOLARSHIPS	299	2,367,796.	0.	N/A	N/A

Part IV **Supplemental Information.** Provide the information required in Part I, line 2; Part III, column (b); and any other additional information.

PART I, LINE 2:

CMU DISTRIBUTES LIMITED FINANCIAL AID AND GRANT FUNDS TO INDIVIDUALS AND ORGANIZATIONS IN THE U.S. BASED ON A STATISTICAL MODEL THAT TAKES INTO ACCOUNT A STUDENT'S INTENDED COLLEGE MAJOR, ACADEMIC AND ARTISTIC TALENTS, AS WELL AS FINANCIAL NEED. FOR STUDENTS, SUCH FUNDS ARE TYPICALLY APPLIED DIRECTLY TO THEIR INDIVIDUAL ACCOUNTS IN FURTHERANCE OF THEIR EDUCATION AT CMU. OTHER TYPES OF GRANTS AND ASSISTANCE MIGHT INCLUDE, FOR EXAMPLE, RECIPIENTS OF PRIZES AND AWARDS WHO HAVE MET THE SPECIFIC CRITERIA FOR THE PARTICULAR PRIZE OR AWARD TO BE SELECTED. IN THE CASE OF SCHOLARSHIPS AND

Part IV Supplemental Information

FELLOWSHIPS, THE RECIPIENT IS OFTEN REQUIRED TO UTILIZE THE FUNDS IN FURTHERANCE OF THEIR EDUCATION AND RESEARCH AT CMU. GRANTS ARE ALSO MADE IN THE CONTEXT OF ACADEMIC OR RESEARCH PROGRAMS AND RECIPIENTS SPEND THEIR GRANT FUNDS UNDER THE SUPERVISION OF THE PROGRAM FOR THE USE OF THE FUNDS.

SPONSORED PROJECT FUNDS ARE PASSED THROUGH TO SUB-GRANTEE ORGANIZATIONS BY CARNEGIE MELLON WHEN SUCH SUB-GRANTEE ARRANGEMENTS ARE APPROVED BY THE PRIMARY GRANT SPONSOR. FUNDS ARE SPENT UNDER THE SUPERVISION OF THE PRINCIPAL INVESTIGATORS AND ARE ACCOUNTABLE TO FEDERAL AND SPONSOR TERMS AND CONDITIONS.

**SCHEDULE J
(Form 990)**

Department of the Treasury
Internal Revenue Service

Compensation Information

For certain Officers, Directors, Trustees, Key Employees, and Highest
Compensated Employees

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 23.

▶ Attach to Form 990.

▶ Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public
Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I Questions Regarding Compensation

1a Check the appropriate box(es) if the organization provided any of the following to or for a person listed on Form 990, Part VII, Section A, line 1a. Complete Part III to provide any relevant information regarding these items.

- | | |
|---|--|
| <input checked="" type="checkbox"/> First-class or charter travel | <input checked="" type="checkbox"/> Housing allowance or residence for personal use |
| <input checked="" type="checkbox"/> Travel for companions | <input type="checkbox"/> Payments for business use of personal residence |
| <input checked="" type="checkbox"/> Tax indemnification and gross-up payments | <input checked="" type="checkbox"/> Health or social club dues or initiation fees |
| <input checked="" type="checkbox"/> Discretionary spending account | <input checked="" type="checkbox"/> Personal services (such as, maid, chauffeur, chef) |

b If any of the boxes on line 1a are checked, did the organization follow a written policy regarding payment or reimbursement or provision of all of the expenses described above? If "No," complete Part III to explain

	Yes	No
1b	X	

2 Did the organization require substantiation prior to reimbursing or allowing expenses incurred by all directors, trustees, and officers, including the CEO/Executive Director, regarding the items checked on line 1a?

2	X	
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3 Indicate which, if any, of the following the filing organization used to establish the compensation of the organization's CEO/Executive Director. Check all that apply. Do not check any boxes for methods used by a related organization to establish compensation of the CEO/Executive Director, but explain in Part III.

- | | |
|---|---|
| <input checked="" type="checkbox"/> Compensation committee | <input checked="" type="checkbox"/> Written employment contract |
| <input checked="" type="checkbox"/> Independent compensation consultant | <input checked="" type="checkbox"/> Compensation survey or study |
| <input checked="" type="checkbox"/> Form 990 of other organizations | <input checked="" type="checkbox"/> Approval by the board or compensation committee |

4 During the year, did any person listed on Form 990, Part VII, Section A, line 1a, with respect to the filing organization or a related organization:

- a** Receive a severance payment or change-of-control payment? **4a** X
- b** Participate in, or receive payment from, a supplemental nonqualified retirement plan? **4b** X
- c** Participate in, or receive payment from, an equity-based compensation arrangement? **4c** X
- If "Yes" to any of lines 4a-c, list the persons and provide the applicable amounts for each item in Part III.

4a	X	
4b	X	
4c		X

Only section 501(c)(3), 501(c)(4), and 501(c)(29) organizations must complete lines 5-9.

5 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the revenues of:

- a** The organization? **5a** X
- b** Any related organization? **5b** X
- If "Yes" on line 5a or 5b, describe in Part III.

5a		X
5b		X

6 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization pay or accrue any compensation contingent on the net earnings of:

- a** The organization? **6a** X
- b** Any related organization? **6b** X
- If "Yes" on line 6a or 6b, describe in Part III.

6a		X
6b		X

7 For persons listed on Form 990, Part VII, Section A, line 1a, did the organization provide any nonfixed payments not described on lines 5 and 6? If "Yes," describe in Part III **7** X

7	X	
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8 Were any amounts reported on Form 990, Part VII, paid or accrued pursuant to a contract that was subject to the initial contract exception described in Regulations section 53.4958-4(a)(3)? If "Yes," describe in Part III **8** X

8		X
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9 If "Yes" on line 8, did the organization also follow the rebuttable presumption procedure described in Regulations section 53.4958-6(c)? **9**

9		
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LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule J (Form 990) 2017

Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii). Do not list any individuals that aren't listed on Form 990, Part VII.

Note: The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
(1) EDWARD GREFFENSTETTE VOTING TRUSTEE	(i)	0.	0.	0.	0.	0.	0.	0.
	(ii)	515,000.	500,000.	6,423.	705,309.	22,577.	1,749,309.	500,000.
(2) JEANNE VANBRIESEN EX-OFFICIO TRUSTEE/PROFESSOR	(i)	191,190.	0.	2,139.	14,635.	70,336.	278,300.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(3) FARNAM JAHANIAN PRESIDENT/EX-OFFICIO TRUSTEE	(i)	573,021.	100,000.	50,578.	21,600.	75,032.	820,231.	0.
	(ii)	7,500.	0.	0.	0.	0.	7,500.	0.
(4) LAURIE WEINGART INTERIM PROVOST	(i)	374,413.	0.	37,414.	23,019.	53,448.	488,294.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(5) ANGELA BLANTON VP OF FINANCE & CFO	(i)	383,193.	0.	10,026.	21,600.	14,058.	428,877.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(6) GINA CASALEGNO V.P. STUDT. AFRS. & DEAN OF STUDENTS	(i)	299,420.	0.	5,610.	21,600.	6,037.	332,667.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(7) MARY JO DIVELY VP/GENERAL COUNSEL	(i)	469,282.	0.	41,216.	21,600.	177,799.	709,897.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(8) CHARLES A. KENNEDY, CIO AND INTERIM TREASURER THRU 11/17	(i)	331,901.	278,681.	30,631.	87,117.	24,271.	752,601.	54,237.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(9) KAREN T. KHAN ASSISTANT SECRETARY	(i)	128,532.	0.	1,810.	10,642.	9,308.	150,292.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(10) STEVE KLOEHN V.P. FOR MARKETING AND COMMUNICATION	(i)	306,972.	0.	5,838.	21,600.	35,109.	369,519.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(11) CATHY A. LIGHT CHIEF OF STAFF & SEC. OF THE CORP.	(i)	290,326.	50,000.	6,556.	21,600.	33,714.	402,196.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(12) RODNEY MCCLENDON V.P. FOR OPERATIONS	(i)	428,036.	0.	17,395.	21,600.	14,007.	481,038.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(13) CARRIE NELSON ASSISTANT TREASURER	(i)	238,355.	5,000.	3,425.	19,400.	4,919.	271,099.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(14) SCOTT MORY V.P. FOR UNIV. ADVANCEMENT	(i)	452,660.	25,000.	34,402.	21,600.	9,415.	543,077.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(15) JAMES H. GARRETT, DEAN CARNEGIE INSTITUTE OF TECHNOLOGY	(i)	375,979.	0.	69,520.	21,600.	17,026.	484,125.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.
(16) ANDREW MOORE DEAN, SCHOOL OF COMPUTER SCIENCE	(i)	552,913.	0.	26,868.	21,600.	49,093.	650,474.	0.
	(ii)	0.	0.	0.	0.	0.	0.	0.

Part II Officers, Directors, Trustees, Key Employees, and Highest Compensated Employees. Use duplicate copies if additional space is needed.

For each individual whose compensation must be reported on Schedule J, report compensation from the organization on row (i) and from related organizations, described in the instructions, on row (ii). Do not list any individuals that aren't listed on Form 990, Part VII.

Note: The sum of columns (B)(i)-(iii) for each listed individual must equal the total amount of Form 990, Part VII, Section A, line 1a, applicable column (D) and (E) amounts for that individual.

(A) Name and Title		(B) Breakdown of W-2 and/or 1099-MISC compensation			(C) Retirement and other deferred compensation	(D) Nontaxable benefits	(E) Total of columns (B)(i)-(D)	(F) Compensation in column (B) reported as deferred on prior Form 990
		(i) Base compensation	(ii) Bonus & incentive compensation	(iii) Other reportable compensation				
(17) PAUL D. NIELSEN	(i)	546,344.	0.	37,368.	21,600.	7,700.	613,012.	0.
CEO & DIRECTOR SEI	(ii)	0.	0.	0.	0.	0.	0.	0.
(18) ILKER BAYBARS	(i)	548,863.	0.	463,143.	21,600.	42,774.	1,076,380.	0.
DEAN & CEO QATAR CAMPUS	(ii)	0.	0.	0.	0.	0.	0.	0.
(19) ROBERT DAMMON	(i)	592,153.	0.	32,191.	21,600.	16,024.	661,968.	0.
DEAN, TEPPER SCHOOL OF BUSINESS	(ii)	0.	0.	0.	0.	0.	0.	0.
(20) KRZYSZTOF MATYJASZEWSKI	(i)	554,253.	0.	42,456.	26,406.	13,634.	636,749.	0.
JC WARNER UNIV. PROF OF NAT. SCI.	(ii)	0.	0.	0.	0.	0.	0.	0.
(21) RICHARD MUNDY	(i)	176,154.	0.	417,997.	16,080.	68,648.	678,879.	0.
CHIEF OPERATING OFFICER-QATAR	(ii)	0.	0.	0.	0.	0.	0.	0.
(22) RAMAMOORTHY RAVI	(i)	302,765.	0.	540,725.	25,819.	12,602.	881,911.	0.
DEAN OF OPERATIONS RESEARCH	(ii)	0.	0.	0.	0.	0.	0.	0.
(23) JARED L. COHON	(i)	165,866.	0.	25,429.	18,789.	18,201.	228,285.	0.
FORMER OFFICER/FORMER TRUSTEE/PROFES	(ii)	0.	0.	0.	0.	0.	0.	0.
(24) JOHN LEHOCZKY	(i)	279,267.	0.	51,687.	22,451.	19,086.	372,491.	0.
FORMER OFFICER/PROFESSOR	(ii)	0.	0.	0.	0.	0.	0.	0.
(25) PAMELA EAGER	(i)	302,315.	0.	13,637.	21,600.	28,977.	366,529.	0.
FORMER OFFICER/SR. ASSOC. VP FOR DEV	(ii)	0.	0.	0.	0.	0.	0.	0.
(26) MARK S. KAMLET	(i)	435,008.	0.	34,228.	26,406.	12,532.	508,174.	0.
FORMER OFFICER/UNIV. PROF. OF ECON.	(ii)	0.	0.	0.	0.	0.	0.	0.
(27) AMIR RAHNAMAY-AZAR	(i)	0.	0.	214,240.	0.	0.	214,240.	0.
FORMER OFFICER	(ii)	0.	0.	0.	0.	0.	0.	0.
(28) SUBRA SURESH	(i)	411,541.	0.	734,414.	1,125,606.	21,311.	2,292,872.	552,003.
FORMER OFFICER/FORMER TRUSTEE	(ii)	7,500.	0.	0.	0.	0.	7,500.	0.
(29) RANDAL E. BRYANT	(i)	288,347.	0.	4,700.	25,565.	19,479.	338,091.	0.
FORMER KE/PROFESSOR	(ii)	0.	0.	0.	0.	0.	0.	0.
	(i)							
	(ii)							
	(i)							
	(ii)							
	(i)							
	(ii)							

Part III Supplemental Information

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.

PART I, LINE 1A:

ALL ITEMS CHECKED IN LINE 1A ARE PROVIDED TO OR FOR A PERSON LISTED IN FORM 990, PART VII TO FURTHER THE BUSINESS, EDUCATIONAL, AND RESEARCH MISSION OF THE UNIVERSITY PURSUANT TO FEDERAL TAX REGULATIONS, IRS ACCOUNTABLE PLAN RULES, AND THE UNIVERSITY'S POLICIES AND PROCEDURES. NONTAXABLE BENEFITS DISCLOSED IN COLUMN D INCLUDE, FOR EXAMPLE, CONTRIBUTIONS TO EMPLOYER HEALTH AND WELFARE PLANS, EMPLOYER PROVIDED HOUSING, AND QUALIFIED TUITION BENEFITS.

PART I, LINES 4A-B:

EFFECTIVE JULY 1, 2017, DR. SURESH WAS NO LONGER EMPLOYED BY THE UNIVERSITY. IN CONJUNCTION WITH HIS DEPARTURE, THE UNIVERSITY AND DR. SURESH NEGOTIATED SEVERANCE BENEFITS. DR. SURESH'S PAID SEVERANCE BENEFITS, TOTALING \$432,003 ARE REPORTED IN PART II, COLUMN (B) AND HIS ACCRUED SEVERANCE BENEFITS ARE INCLUDED IN PART II, COLUMN (C). ADDITIONALLY, DR. SURESH PARTICIPATED IN A SUPPLEMENTAL NON-QUALIFIED RETIREMENT PLAN. THESE BENEFITS ARE ALSO REPORTED IN PART II, COLUMN (C).

EFFECTIVE JULY 1, 2016, AMIR RAHNAMEY-AZAR WAS NO LONGER EMPLOYED BY THE

Part III Supplemental Information

Provide the information, explanation, or descriptions required for Part I, lines 1a, 1b, 3, 4a, 4b, 4c, 5a, 5b, 6a, 6b, 7, and 8, and for Part II. Also complete this part for any additional information.

UNIVERSITY. SEVERANCE BENEFITS, TOTALING \$214,240 ARE REPORTED IN PART II,
COLUMN (B).

PART I, LINE 7:

ALL BONUSES PAID WERE AWARDED AS A RESULT OF PERFORMANCE AND WERE APPROVED
BY THE COMPENSATION COMMITTEE.

SCHEDULE K
(Form 990)
Department of the Treasury
Internal Revenue Service

Supplemental Information on Tax-Exempt Bonds

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 24a. Provide descriptions, explanations, and any additional information in Part VI.

▶ Attach to Form 990. ▶ Go to www.irs.gov/Form990 for instructions and the latest information.

ENTITY 1

OMB No. 1545-0047

2017
Open to Public
Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I Bond Issues SEE PART VI FOR COLUMNS (A) AND (F) CONTINUATIONS

(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue price	(f) Description of purpose	(g) Defeased		(h) On behalf of issuer		(i) Pooled financing	
						Yes	No	Yes	No	Yes	No
A ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY	25-1650137	01728RES4	04/10/08	120,820,000.	REFUNDING 2006A,B & 2007A. SEE PAR		X		X		X
B PENNSYLVANIA HIGHER EDUCATIONAL FACILITIES AUTHORITY	23-2243852	70917RXJ9	08/20/09	183,259,641.	REFUNDING 1995 A-D & CAPITAL PRO		X		X		X
C ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY	25-1650137	01729EKY2	02/14/13	60,529,980.	REVENUE BONDS TO FINANCE NEW CONST		X		X		X
D ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY	25-1650137	01728RMP1	07/19/17	77,823,681.	REFUNDING 2009 BONDS & TAXABLE C		X		X		X

Part II Proceeds

	A		B		C		D	
1 Amount of bonds retired			52,430,000.					
2 Amount of bonds legally defeased								
3 Total proceeds of issue	120,821,573.		183,272,585.		60,575,582.		77,839,863.	
4 Gross proceeds in reserve funds								
5 Capitalized interest from proceeds			12,991.		36,398.			
6 Proceeds in refunding escrows								
7 Issuance costs from proceeds	493,831.		1,247,008.		463,813.		341,465.	
8 Credit enhancement from proceeds								
9 Working capital expenditures from proceeds								
10 Capital expenditures from proceeds			15,012,697.		60,045,471.			
11 Other spent proceeds	120,327,742.		166,999,889.		29,900.		77,498,398.	
12 Other unspent proceeds								
13 Year of substantial completion			2011		2016			
	Yes	No	Yes	No	Yes	No	Yes	No
14 Were the bonds issued as part of a current refunding issue?	X		X			X	X	
15 Were the bonds issued as part of an advance refunding issue?		X		X		X		X
16 Has the final allocation of proceeds been made?	X		X		X		X	
17 Does the organization maintain adequate books and records to support the final allocation of proceeds?	X		X		X		X	

Part III Private Business Use

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
1 Was the organization a partner in a partnership, or a member of an LLC, which owned property financed by tax-exempt bonds?		X		X		X		X
2 Are there any lease arrangements that may result in private business use of bond-financed property?	X		X		X		X	

SCHEDULE K
(Form 990)

Department of the Treasury
Internal Revenue Service

Supplemental Information on Tax-Exempt Bonds

▶ Complete if the organization answered "Yes" on Form 990, Part IV, line 24a. Provide descriptions, explanations, and any additional information in Part VI.

▶ Attach to Form 990. ▶ Go to www.irs.gov/Form990 for instructions and the latest information.

ENTITY 2

OMB No. 1545-0047

2017
Open to Public
Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I Bond Issues

SEE PART VI FOR COLUMNS (A) AND (F) CONTINUATIONS

(a) Issuer name	(b) Issuer EIN	(c) CUSIP #	(d) Date issued	(e) Issue price	(f) Description of purpose	(g) Defeased		(h) On behalf of issuer		(i) Pooled financing	
						Yes	No	Yes	No	Yes	No
ALLEGHENY COUNTY HIGHER A EDUCATION BUILDING AUTHO	25-1650137	NONEAVAIL	12/27/17	50,000,000.	REISSUANCE OF 2012B BONDS.		X		X		X
B											
C											
D											

Part II Proceeds

	A	B	C	D
1 Amount of bonds retired				
2 Amount of bonds legally defeased				
3 Total proceeds of issue	50,000,000.			
4 Gross proceeds in reserve funds				
5 Capitalized interest from proceeds				
6 Proceeds in refunding escrows				
7 Issuance costs from proceeds				
8 Credit enhancement from proceeds				
9 Working capital expenditures from proceeds				
10 Capital expenditures from proceeds				
11 Other spent proceeds	50,000,000.			
12 Other unspent proceeds				
13 Year of substantial completion				
	Yes	No	Yes	No
14 Were the bonds issued as part of a current refunding issue?	X			
15 Were the bonds issued as part of an advance refunding issue?		X		
16 Has the final allocation of proceeds been made?	X			
17 Does the organization maintain adequate books and records to support the final allocation of proceeds?	X			

Part III Private Business Use

	A	B	C	D
	Yes	No	Yes	No
1 Was the organization a partner in a partnership, or a member of an LLC, which owned property financed by tax-exempt bonds?				
2 Are there any lease arrangements that may result in private business use of bond-financed property?				

Part III Private Business Use (Continued)

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
3a Are there any management or service contracts that may result in private business use of bond-financed property?	X		X		X		X	
b If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property?	X		X		X		X	
c Are there any research agreements that may result in private business use of bond-financed property?	X		X		X		X	
d If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property?	X		X		X		X	
4 Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government00 %		.00 %		.00 %		.00 %
5 Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government00 %		.00 %		.00 %		.00 %
6 Total of lines 4 and 500 %		.00 %		.00 %		.00 %
7 Does the bond issue meet the private security or payment test?		X		X		X		X
8a Has there been a sale or disposition of any of the bond-financed property to a non-governmental person other than a 501(c)(3) organization since the bonds were issued?		X		X		X		X
b If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of		%		%		%		%
c If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1.141-12 and 1.145-2?								
9 Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1.141-12 and 1.145-2?	X		X		X		X	

Part IV Arbitrage

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
1 Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate?		X		X		X		X
2 If "No" to line 1, did the following apply?								
a Rebate not due yet?		X		X		X	X	
b Exception to rebate?		X	X			X	X	
c No rebate due?	X		X		X		X	
If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed								
3 Is the bond issue a variable rate issue?	X			X		X		X
4a Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?		X		X		X		X
b Name of provider								
c Term of hedge								
d Was the hedge superintegrated?								
e Was the hedge terminated?								

Part III Private Business Use (Continued)

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
3a Are there any management or service contracts that may result in private business use of bond-financed property?								
b If "Yes" to line 3a, does the organization routinely engage bond counsel or other outside counsel to review any management or service contracts relating to the financed property?								
c Are there any research agreements that may result in private business use of bond-financed property?								
d If "Yes" to line 3c, does the organization routinely engage bond counsel or other outside counsel to review any research agreements relating to the financed property?								
4 Enter the percentage of financed property used in a private business use by entities other than a section 501(c)(3) organization or a state or local government		%		%		%		%
5 Enter the percentage of financed property used in a private business use as a result of unrelated trade or business activity carried on by your organization, another section 501(c)(3) organization, or a state or local government		%		%		%		%
6 Total of lines 4 and 5		%		%		%		%
7 Does the bond issue meet the private security or payment test?								
8a Has there been a sale or disposition of any of the bond-financed property to a non-governmental person other than a 501(c)(3) organization since the bonds were issued?								
b If "Yes" to line 8a, enter the percentage of bond-financed property sold or disposed of		%		%		%		%
c If "Yes" to line 8a, was any remedial action taken pursuant to Regulations sections 1.141-12 and 1.145-2?								
9 Has the organization established written procedures to ensure that all nonqualified bonds of the issue are remediated in accordance with the requirements under Regulations sections 1.141-12 and 1.145-2?								

Part IV Arbitrage

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
1 Has the issuer filed Form 8038-T, Arbitrage Rebate, Yield Reduction and Penalty in Lieu of Arbitrage Rebate?		X						
2 If "No" to line 1, did the following apply?								
a Rebate not due yet?	X							
b Exception to rebate?	X							
c No rebate due?	X							
If "Yes" to line 2c, provide in Part VI the date the rebate computation was performed								
3 Is the bond issue a variable rate issue?	X							
4a Has the organization or the governmental issuer entered into a qualified hedge with respect to the bond issue?		X						
b Name of provider								
c Term of hedge								
d Was the hedge superintegrated?								
e Was the hedge terminated?								

Part IV Arbitrage (Continued)

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
5a Were gross proceeds invested in a guaranteed investment contract (GIC)?		X						
b Name of provider								
c Term of GIC								
d Was the regulatory safe harbor for establishing the fair market value of the GIC satisfied?								
6 Were any gross proceeds invested beyond an available temporary period?		X						
7 Has the organization established written procedures to monitor the requirements of section 148?	X							

Part V Procedures To Undertake Corrective Action

	A		B		C		D	
	Yes	No	Yes	No	Yes	No	Yes	No
Has the organization established written procedures to ensure that violations of federal tax requirements are timely identified and corrected through the voluntary closing agreement program if self-remediation isn't available under applicable regulations?								
	X							

Part VI Supplemental Information. Provide additional information for responses to questions on Schedule K. See instructions**SCHEDULE K, PART I, BOND ISSUES:**

(A) ISSUER NAME: ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY

(F) DESCRIPTION OF PURPOSE:

REFUNDING 2006A,B & 2007A. SEE PART VI FOR MORE DETAIL

(A) ISSUER NAME: PENNSYLVANIA HIGHER EDUCATIONAL FACILITIES AUTHORITY

(F) DESCRIPTION OF PURPOSE:

REFUNDING 1995 A-D & CAPITAL PROJECTS. SEE PART VI FOR MORE DETAIL

(A) ISSUER NAME: ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY

(F) DESCRIPTION OF PURPOSE:

REVENUE BONDS TO FINANCE NEW CONSTRUCTION. SEE PART VI FOR MORE DETAIL

(A) ISSUER NAME: ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY

(F) DESCRIPTION OF PURPOSE:

REFUNDING 2009 BONDS & TAXABLE COMMERCIAL PAPER NOTES. SEE PART VI FOR MORE

(A) ISSUER NAME: ALLEGHENY COUNTY HIGHER EDUCATION BUILDING AUTHORITY

(F) DESCRIPTION OF PURPOSE:

REISSUANCE OF 2012B BONDS. SEE PART VI FOR MORE DETAIL

ENTITY 1 COLUMN A:

THE DIFFERENCE BETWEEN PART I(E) AND PART II, LINE 3 IS DUE TO INTEREST

EARNINGS ON BOND PROCEEDS.

Part VI: Supplemental Information. Provide additional information for responses to questions on Schedule K. See instructions *(Continued)*

PART I(F): BONDS CURRENT REFUNDED SERIES 2006AB BONDS (ISSUED DECEMBER 13, 2006) AND SERIES 2007 BONDS (ISSUED MARCH 1, 2007).

PART II, LINE 13: SINCE PROCEEDS OF THE BONDS WERE ISSUED FOR REFUNDING PURPOSES, THE YEAR OF SUBSTANTIAL COMPLETION IS NOT APPLICABLE.

PART III, LINE 7: AS PROVIDED IN TREASURY REGULATION SECTION 1.141-4(C)(2)(I)(B), THE AMOUNT OF PRIVATE PAYMENTS TAKEN INTO ACCOUNT UNDER THE PRIVATE PAYMENT TEST MAY NOT EXCEED THE AMOUNT OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS USE. ACCORDINGLY, THE AMOUNT OF PRIVATE PAYMENTS FOR THE REPORTING PERIOD DOES NOT EXCEED THE AMOUNT STATED IN PART III, LINE 6. THE ORGANIZATION HAS NOT UNDERTAKEN AN ANALYSIS OF THE PRIVATE SECURITY TEST WITH RESPECT TO THE BONDS, AS THE LEVEL OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS REPORTED IN PART III, LINE 6, IS NOT IN EXCESS OF AMOUNTS PERMITTED UNDER SECTION 145 OF THE CODE.

PART IV, LINE 2(C): THE MOST RECENT REBATE REPORT WAS PREPARED BY THE BORROWER AND DATED APRIL 26, 2013.

ENTITY 1 COLUMN B:

THE DIFFERENCE BETWEEN PART I(E) AND PART II, LINE 3 IS DUE TO INTEREST EARNINGS ON BOND PROCEEDS.

PART I(F): THE REFUNDING PORTION OF THE BONDS CURRENT REFUNDED SERIES 1995ABCD BONDS (ISSUED OCTOBER 26, 1995).

PART III, LINE 7: AS PROVIDED IN TREASURY REGULATION SECTION 1.141-4(C)(2)(I)(B), THE AMOUNT OF PRIVATE PAYMENTS TAKEN INTO ACCOUNT UNDER THE PRIVATE PAYMENT TEST MAY NOT EXCEED THE AMOUNT OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS USE. ACCORDINGLY, THE AMOUNT OF PRIVATE PAYMENTS FOR THE REPORTING PERIOD DOES NOT EXCEED THE AMOUNT STATED IN PART III, LINE 6. THE ORGANIZATION HAS NOT UNDERTAKEN AN ANALYSIS OF THE PRIVATE SECURITY TEST WITH RESPECT TO THE BONDS, AS THE LEVEL OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS REPORTED IN PART III, LINE 6, IS NOT IN EXCESS OF AMOUNTS PERMITTED UNDER SECTION 145 OF THE CODE.

PART IV, LINE 2(B): THE REFUNDING AND NEW MONEY PORTIONS OF THE BONDS HAVE MET THE 6-MONTH AND 18-MONTH EXPENDITURE EXCEPTIONS TO THE REBATE REQUIREMENT, RESPECTIVELY.

PART IV, LINE 2(C): THE BONDS HAVE MET AN EXCEPTION TO THE REBATE REQUIREMENT AND; THEREFORE, NO COMPUTATION HAS BEEN, OR EVER WILL BE, PREPARED FOR THE BONDS.

Part VI. Supplemental Information. Provide additional information for responses to questions on Schedule K. See instructions *(Continued)*

ENTITY 1 COLUMN C:

THE DIFFERENCE BETWEEN PART I(E) AND PART II, LINE 3 IS DUE TO INTEREST EARNINGS ON BOND PROCEEDS.

PART III, LINE 7: AS PROVIDED IN TREASURY REGULATION SECTION 1.141-4(C)(2)(I)(B), THE AMOUNT OF PRIVATE PAYMENTS TAKEN INTO ACCOUNT UNDER THE PRIVATE PAYMENT TEST MAY NOT EXCEED THE AMOUNT OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS USE. ACCORDINGLY, THE AMOUNT OF PRIVATE PAYMENTS FOR THE REPORTING PERIOD DOES NOT EXCEED THE AMOUNT STATED IN PART III, LINE 6. THE ORGANIZATION HAS NOT UNDERTAKEN AN ANALYSIS OF THE PRIVATE SECURITY TEST WITH RESPECT TO THE BONDS, AS THE LEVEL OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS REPORTED IN PART III, LINE 6, IS NOT IN EXCESS OF AMOUNTS PERMITTED UNDER SECTION 145 OF THE CODE.

PART IV, LINE 2(C): THE MOST 5TH YEAR RECENT REBATE REPORT WAS PREPARED BY BLX ON FEBRUARY 13, 2018.

ENTITY 1 COLUMN D:

PART I(F): THE BONDS CURRENT REFUNDED PORTIONS OF THE SERIES 2009 BONDS (ISSUED AUGUST 20, 2009) AND TAXABLE COMMERCIAL PAPER NOTES (ISSUED FEBRUARY 24, 2015).

THE DIFFERENCE BETWEEN PART I(E) AND PART II, LINE 3 IS DUE TO INTEREST EARNINGS ON BOND PROCEEDS.

PART II, LINE 13: SINCE PROCEEDS OF THE BONDS WERE ISSUED FOR REFUNDING PURPOSES, THE YEAR OF SUBSTANTIAL COMPLETION IS NOT APPLICABLE.

PART III, LINE 7: AS PROVIDED IN TREASURY REGULATION SECTION 1.141-4(C)(2)(I)(B), THE AMOUNT OF PRIVATE PAYMENTS TAKEN INTO ACCOUNT UNDER THE PRIVATE PAYMENT TEST MAY NOT EXCEED THE AMOUNT OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS USE. ACCORDINGLY, THE AMOUNT OF PRIVATE PAYMENTS FOR THE REPORTING PERIOD DOES NOT EXCEED THE AMOUNT STATED IN PART III, LINE 6. THE ORGANIZATION HAS NOT UNDERTAKEN AN ANALYSIS OF THE PRIVATE SECURITY TEST WITH RESPECT TO THE BONDS, AS THE LEVEL OF PRIVATE BUSINESS USE AND/OR UNRELATED TRADE OR BUSINESS REPORTED IN PART III, LINE 6, IS NOT IN EXCESS OF AMOUNTS PERMITTED UNDER SECTION 145 OF THE CODE.

PART IV, LINE 2(B): THE BONDS HAVE MET THE 6-MONTH EXPENDITURE EXCEPTION TO THE REBATE REQUIREMENT.

PART IV, LINE 2(C): THE BONDS HAVE MET AN EXCEPTION TO THE REBATE REQUIREMENT AND; THEREFORE, NO COMPUTATION HAS BEEN, OR EVER WILL BE, PREPARED FOR THE BONDS.

Part VI **Supplemental Information.** Provide additional information for responses to questions on Schedule K. See instructions (*Continued*)

ENTITY 2 COLUMN A:

PART I(F): THE BONDS CURRENTLY REFUND THE OUTSTANDING SERIES 2012B BONDS (ISSUED MARCH 1, 2012).

PART II, LINE 13: SINCE PROCEEDS OF THE BONDS WERE ISSUED FOR REFUNDING PURPOSES, THE YEAR OF SUBSTANTIAL COMPLETION IS NOT APPLICABLE.

PART III: BECAUSE PROCEEDS OF THE BONDS WERE USED TO REFUND BONDS ISSUED BEFORE JANUARY 1, 2003, THE ISSUER HAS NOT COMPLETED PART III WITH RESPECT TO THE BONDS.

PART IV, LINE 2(B): BONDS HAVE MET THE 6-MONTH EXPENDITURE EXCEPTION TO THE REBATE REQUIREMENT.

PART IV, LINE 2(C): THE BONDS HAVE MET AN EXCEPTION TO THE REBATE REQUIREMENT; AND THEREFORE, NO REBATE HAS BEEN, OR EVER WILL BE, DUE ON THE BONDS.

(Form 990 or 990-EZ)

► Complete if the organization answered "Yes" on Form 990, Part IV, line 25a, 25b, 26, 27, 28a, 28b, or 28c, or Form 990-EZ, Part V, line 38a or 40b.

▶ **Attach to Form 990 or Form 990-EZ.**

► Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open To Public Inspection

Department of the Treasury
Internal Revenue Service

Name of the organization

CARNegie MELLON UNIVERSITY

Employer identification number

25-0969449

Part I	Excess Benefit Transactions (section 501(c)(3), section 501(c)(4), and 501(c)(29) organizations only).
---------------	---

Complete if the organization answered "Yes" on Form 990, Part IV, line 25a or 25b, or Form 990-EZ, Part V, line 40b.

[illegible]

2 Enter the amount of tax incurred by the organization managers or disqualified persons during the year under section 4958

3 Enter the amount of tax, if any, on line 2, above, reimbursed by the organization

Part II	Loans to and/or From Interested Persons.
----------------	---

Complete if the organization answered "Yes" on Form 990-EZ, Part V, line 38a or Form 990, Part IV, line 26; or if the organization reported an amount on Form 990, Part X, line 5, 6, or 22.

[illegible]

Total _____  

Part III	Grants or Assistance Benefiting Interested Persons.
-----------------	--

Complete if the organization answered "Yes" on Form 990, Part IV, line 27.

[illegible]

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990 or 990-EZ.

Schedule L (Form 990 or 990-EZ) 2017

Part IV Business Transactions Involving Interested Persons.

Complete if the organization answered "Yes" on Form 990, Part IV, line 28a, 28b, or 28c.

(a) Name of interested person	(b) Relationship between interested person and the organization	(c) Amount of transaction	(d) Description of transaction	(e) Sharing of organization's revenues?	
				Yes	No
C. BRODSKY	M. KAMLET- CMU FORM	128,443.	SEE PART V		X
L. SMITH	J. GARRETT- CMU KEY	76,370.	SEE PART V		X
R. BLANTON	A. BLANTON - CMU OF	278,172.	SEE PART V		X

Part V Supplemental Information

Provide additional information for responses to questions on Schedule L (see instructions).

SCH L, PART IV, BUSINESS TRANSACTIONS INVOLVING INTERESTED PERSONS:

(A) NAME OF PERSON: C. BRODSKY

(B) RELATIONSHIP BETWEEN INTERESTED PERSON AND ORGANIZATION:

M. KAMLET- CMU FORMER OFFICER- HUSBAND OF C. BRODSKY- CMU EMPLOYEE

(C) AMOUNT OF TRANSACTION \$ 128,443.

(D) DESCRIPTION OF TRANSACTION: SEE PART V COMPENSATION FOR PROFESSOR OF COLLEGE OF FINE ARTS

(E) SHARING OF ORGANIZATION REVENUES? = NO

(A) NAME OF PERSON: L. SMITH

(B) RELATIONSHIP BETWEEN INTERESTED PERSON AND ORGANIZATION:

J. GARRETT- CMU KEY EMPLOYEE- BROTHER OF L. SMITH- CMU EMPLOYEE

(C) AMOUNT OF TRANSACTION \$ 76,370.

(D) DESCRIPTION OF TRANSACTION: SEE PART V COMPENSATION FOR ASSOCIATE DIRECTOR OF STUDENT ACCOUNTS

(E) SHARING OF ORGANIZATION REVENUES? = NO

(A) NAME OF PERSON: R. BLANTON

(B) RELATIONSHIP BETWEEN INTERESTED PERSON AND ORGANIZATION:

A. BLANTON - CMU OFFICER - WIFE OF R. BLANTON - CMU EMPLOYEE

Schedule L (Form 990 or 990-EZ) 2017

Part V Supplemental Information

Complete this part to provide additional information for responses to questions on Schedule L (see instructions).

(C) AMOUNT OF TRANSACTION \$ 278,172.

(D) DESCRIPTION OF TRANSACTION: SEE PART V COMPENSATION FOR PROFESSOR OF
ELECTRICAL & COMPUTER ENGINEERING

(E) SHARING OF ORGANIZATION REVENUES? = NO

**SCHEDULE M
(Form 990)**

Noncash Contributions

OMB No. 1545-0047

2017

**Open To Public
Inspection**

Department of the Treasury
Internal Revenue Service

- ▶ Complete if the organizations answered "Yes" on Form 990, Part IV, lines 29 or 30.
- ▶ Attach to Form 990.
- ▶ Go to www.irs.gov/Form990 for the latest information.

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number

25-0969449

Part I Types of Property

	(a) Check if applicable	(b) Number of contributions or items contributed	(c) Noncash contribution amounts reported on Form 990, Part VIII, line 1g	(d) Method of determining noncash contribution amounts
1 Art - Works of art	X	5	86,713.	APPRAISAL
2 Art - Historical treasures				
3 Art - Fractional interests				
4 Books and publications	X		53,293.	APPRAISAL
5 Clothing and household goods				
6 Cars and other vehicles	X	2	23,000.	FAIR MARKET VALUE
7 Boats and planes				
8 Intellectual property				
9 Securities - Publicly traded	X	308	30,982,583.	FAIR MARKET VALUE
10 Securities - Closely held stock				
11 Securities - Partnership, LLC, or trust interests				
12 Securities - Miscellaneous				
13 Qualified conservation contribution - Historic structures				
14 Qualified conservation contribution - Other				
15 Real estate - Residential				
16 Real estate - Commercial				
17 Real estate - Other				
18 Collectibles				
19 Food inventory				
20 Drugs and medical supplies				
21 Taxidermy				
22 Historical artifacts				
23 Scientific specimens				
24 Archeological artifacts				
25 Other ▶ (<u>COMPUTER EQPT</u>)	X	6	328,710.	FAIR MARKET VALUE
26 Other ▶ (<u>SCIENTIFIC/EN</u>)	X	6	111,164.	FAIR MARKET VALUE
27 Other ▶ (<u>ALUMNI EVENT</u>)	X	28	49,670.	COST
28 Other ▶ ()				

29 Number of Forms 8283 received by the organization during the tax year for contributions for which the organization completed Form 8283, Part IV, Donee Acknowledgement

29

4

30a During the year, did the organization receive by contribution any property reported in Part I, lines 1 through 28, that it must hold for at least three years from the date of the initial contribution, and which isn't required to be used for exempt purposes for the entire holding period?

	Yes	No
30a		X
31	X	
32a		X

b If "Yes," describe the arrangement in Part II.

31 Does the organization have a gift acceptance policy that requires the review of any nonstandard contributions?

32a Does the organization hire or use third parties or related organizations to solicit, process, or sell noncash contributions?

b If "Yes," describe in Part II.

33 If the organization didn't report an amount in column (c) for a type of property for which column (a) is checked, describe in Part II.

LHA For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule M (Form 990) 2017

Part II

Supplemental Information. Provide the information required by Part I, lines 30b, 32b, and 33, and whether the organization is reporting in Part I, column (b), the number of contributions, the number of items received, or a combination of both. Also complete this part for any additional information.

SCHEDULE M, PART I, COLUMN (B):

THE NUMBER SHOWN IN COLUMN (B) REPRESENTS THE NUMBER OF CONTRIBUTIONS

CARNEGIE MELLON UNIVERSITY RECEIVED FOR EACH TYPE OF PROPERTY FOR THE

YEAR ENDED JUNE 30, 2018.

SCHEDULE O
(Form 990 or 990-EZ)

Department of the Treasury
Internal Revenue Service

Supplemental Information to Form 990 or 990-EZ

Complete to provide information for responses to specific questions on
Form 990 or 990-EZ or to provide any additional information.

▶ Attach to Form 990 or 990-EZ.

▶ Go to www.irs.gov/Form990 for the latest information.

OMB No. 1545-0047

2017

Open to Public
Inspection

Name of the organization

CARNEGIE MELLON UNIVERSITY

Employer identification number
25-0969449

FORM 990, PART III, LINE 1, DESCRIPTION OF ORGANIZATION MISSION:

TO CULTIVATE A TRANSFORMATIVE UNIVERSITY COMMUNITY COMMITTED TO (A)
ATTRACTING AND RETAINING DIVERSE, WORLD-CLASS TALENT; (B) CREATING A
COLLABORATIVE ENVIRONMENT OPEN TO THE FREE EXCHANGE OF IDEAS, WHERE
RESEARCH, CREATIVITY, INNOVATION, AND ENTREPRENEURSHIP CAN FLOURISH;
AND (C) ENSURING INDIVIDUALS CAN ACHIEVE THEIR FULL POTENTIAL.

TO IMPACT SOCIETY IN A TRANSFORMATIVE WAY - REGIONALLY, NATIONALLY, AND
GLOBALLY - BY ENGAGING WITH PARTNERS OUTSIDE THE TRADITIONAL BORDERS OF
THE UNIVERSITY CAMPUS.

FORM 990, PART III, LINE 4A, PROGRAM SERVICE ACCOMPLISHMENTS:
STUDENT SERVICES.

CARNEGIE MELLON HAS ITS MAIN CAMPUS IN PITTSBURGH, SATELLITE CAMPUSES
IN SILICON VALLEY AND DOHA, QATAR, AND DEGREE-GRANTING PROGRAMS IN
COORDINATION WITH GLOBAL PROGRAMS INCLUDING AUSTRALIA, JAPAN, PORTUGAL,
RWANDA, AND SINGAPORE.

NATIONALLY AND GLOBALLY, CARNEGIE MELLON HAS BECOME A MAJOR VOICE OF
CONNECTIVITY IN TECHNOLOGY, EXPANSION OF EDUCATIONAL OPPORTUNITY AND
ECONOMIC DEVELOPMENT.

FORM 990, PART III, LINE 4B, PROGRAM SERVICE ACCOMPLISHMENTS:

Name of the organization

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EACH OF THESE REQUIRES CONNECTIONS AMONG ENGINEERING, SCIENCE, POLICY AND MANAGEMENT, AND THE ARTS. BASIC RESEARCH IS PERFORMED IN ALL 7 COLLEGES AND SCHOOLS AND THE SOFTWARE ENGINEERING INSTITUTE. CARNEGIE MELLON IS ALSO THE HOME OF NUMEROUS RESEARCH INSTITUTES AND CENTERS FOCUSING ON SOME OF THE WORLD'S GREATEST CHALLENGES.

CARNEGIE MELLON'S RESEARCH-INTENSIVE ENVIRONMENT PROVIDES A RICH SETTING FOR THE UNIVERSITY'S EDUCATIONAL OFFERINGS AND ASPIRATIONS. THE SEARCH FOR NEW KNOWLEDGE AND A SPIRIT OF ONGOING CRITICAL INQUIRY ARE THE IDEALS THAT PERMEATE ITS APPROACH TO TEACHING AND ITS EXPECTATIONS FOR WHAT STUDENTS WILL ACHIEVE.

FORM 990, PART III, LINE 4D, OTHER PROGRAM SERVICES:

OTHER PROGRAM SERVICES:

OTHER FEES AND MEMBERSHIPS, EXTERNAL SUPPORT AND SERVICES AND OTHER MISCELLANEOUS PROGRAM SERVICE REVENUE THAT SUPPORTS THE INSTRUCTION, RESEARCH, AND AUXILIARY FUNCTIONS OF THE UNIVERSITY.

EXPENSES \$ 21,031,723. INCLUDING GRANTS OF \$ 0. REVENUE \$ 13,620,608.

FORM 990, PART VI, SECTION A, LINE 2:

JAMES ROHR, EDWARD GREFFENSTETTE, AND FARNAM JAHANIAN HAVE A BUSINESS RELATIONSHIP.

EDWARD GREFFENSTETTE AND J. LEA HILLMAN SIMONDS HAVE A BUSINESS RELATIONSHIP.

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LARRY JENNINGS JR. AND LUKE SKURMAN HAVE A BUSINESS RELATIONSHIP.

FORM 990, PART VI, SECTION A, LINE 7A:

CARNEGIE MELLON HAS SIX EX-OFFICIO TRUSTEES WHO ARE MEMBERS OF THE BOARD OF TRUSTEES BY HOLDING THE FOLLOWING OFFICES:

MAYOR OF THE CITY OF PITTSBURGH

PRESIDENT OF COUNCIL OF THE CITY OF PITTSBURGH

PRESIDENT OF CARNEGIE MELLON UNIVERSITY

PRESIDENT OF CARNEGIE MELLON ALUMNI ASSOCIATION

PRESIDENT OF THE ANDREW CARNEGIE SOCIETY OF CARNEGIE MELLON

CHAIRMAN OF CARNEGIE MELLON FACULTY SENATE

EX-OFFICIO TRUSTEES SHALL BE FULL VOTING MEMBERS OF THE BOARD OF TRUSTEES, WITH ALL RIGHTS AND RESPONSIBILITIES THERETO, EXCEPT AS FOLLOWS:

THEY SHALL BE WELCOME AT ALL OPEN SESSIONS OF ALL FULL BOARD MEETINGS AND, IF REQUESTED BY THE CHAIR, AT CLOSED EXECUTIVE SESSIONS;

AND

THE PRESIDENT OF CARNEGIE MELLON UNIVERSITY SHALL HAVE NO VOTING RIGHTS WHEN SERVING AS A MEMBER OF THE AUDIT COMMITTEE OF THE BOARD.

FORM 990, PART VI, SECTION B, LINE 11B:

CARNEGIE MELLON UNIVERSITY'S TAX DEPARTMENT IS RESPONSIBLE FOR GATHERING RELEVANT INFORMATION AND PREPARING THE ANNUAL FORM 990. ONCE THE FORM IS COMPLETE IN DRAFT STATUS, IT IS REVIEWED WITH CARNEGIE MELLON'S INDEPENDENT CERTIFIED PUBLIC ACCOUNTING (CPA) FIRM. UPON COMPLETION OF INDEPENDENT REVIEW BY THE CPA FIRM, THE FORM IS REVIEWED BY THE VICE PRESIDENT FOR

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FINANCE AND CHIEF FINANCIAL OFFICER, ASSOCIATE VICE PRESIDENT FOR FINANCE AND CONTROLLER, PRESIDENT, CHIEF OF STAFF AND VP OF STRATEGIC INITIATIVES, TAX DEPARTMENT AND THEN PROVIDED TO THE AUDIT COMMITTEE FOR APPROVAL. FINALLY, A COMPLETED COPY OF THE FORM IS PROVIDED TO THE BOARD OF TRUSTEES FOR THEIR REVIEW PRIOR TO FILING FORM 990 WITH THE IRS.

FORM 990, PART VI, SECTION B, LINE 12C:

CARNEGIE MELLON REQUIRES EACH TRUSTEE, OFFICER, AND MEMBER OF SENIOR MANAGEMENT TO DISCLOSE ANNUALLY THE EXISTENCE OF ANY CIRCUMSTANCES THAT MIGHT CONSTITUTE A CONFLICT OF INTEREST WITH THE INSTITUTION. THE PROCESS IS INITIATED EACH FISCAL YEAR BY THE OFFICE OF THE SECRETARY OF THE CORPORATION SENDING AN ELECTRONIC CONFLICT OF INTEREST QUESTIONNAIRE TO THE ABOVE NOTED INDIVIDUALS. COMPLETED QUESTIONNAIRES ARE RETURNED TO THE SECRETARY OF THE CORPORATION FOR EVALUATION OF ACTUAL OR PERCEIVED CONFLICTS BY THE INSTITUTION, REVIEWED BY THE OFFICE OF GENERAL COUNSEL, AND ANNUAL REPORTING IS PROVIDED TO THE AUDIT COMMITTEE OF THE BOARD OF TRUSTEES. ALL OFFICERS AND MEMBERS OF THE BOARD ARE REQUIRED TO DISCLOSE CONFLICTS TO THE SECRETARY OF THE CORPORATION AS THEY ARISE THROUGHOUT THE YEAR.

FORM 990, PART VI, SECTION B, LINE 15:

THE COMPENSATION COMMITTEE ANNUALLY REVIEWS AND RECOMMENDS TO THE EXECUTIVE COMMITTEE FOR APPROVAL THE PRESIDENT'S SALARY, COMPENSATION, AND BENEFIT PACKAGE (TOTAL COMPENSATION), AND REVIEWS AND APPROVES THE TOTAL COMPENSATION OF THE PROVOST, VICE PRESIDENTS, DEANS, OFFICERS AND KEY EMPLOYEES.

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THE COMMITTEE OBTAINS APPROPRIATE ANALYSES AND STUDIES PREPARED BY THE ADMINISTRATION AND INDEPENDENT EXTERNAL SOURCES WITH RESPECT TO COMPENSATION FOR SIMILAR POSITIONS IN SIMILAR ORGANIZATIONS TO AID IN EVALUATING COMPENSATION AND BENEFIT PLAN LEVELS, PRACTICES AND STRATEGIES TO ENSURE THAT THE UNIVERSITY'S COMPENSATION LEVELS AND PRACTICES ARE COMPARABLE TO SIMILAR ORGANIZATIONS AND APPROPRIATE TO ATTRACT, OBTAIN AND RETAIN QUALIFIED PERSONNEL. THIS INCLUDES REVIEWING SURVEY DATA FOR SIMILAR POSITIONS AMONG A SELECT GROUP OF PEER INSTITUTIONS. THE COMMITTEE SUBMITS ITS RECOMMENDATIONS FOR THE PRESIDENT'S TOTAL COMPENSATION PACKAGE TO THE EXECUTIVE COMMITTEE FOR REVIEW AND APPROVAL. THE EXECUTIVE COMMITTEE RECEIVES AN ANNUAL REPORT FROM THE UNIVERSITY'S COMPENSATION COMMITTEE INCLUDING SIGNIFICANT COMPENSATION AND BENEFIT PLAN POLICY CHANGES. IT REPORTS TO THE FULL BOARD ON THIS AND THE COMPETITIVENESS OF THE UNIVERSITY'S COMPENSATION LEVELS AND BENEFIT PLANS IN RELATION TO PEER INSTITUTIONS.

FORM 990, PART VI, SECTION C, LINE 19:

CARNEGIE MELLON'S GOVERNING DOCUMENTS, CONFLICT OF INTEREST POLICY, AND FINANCIAL STATEMENTS ARE AVAILABLE FOR PUBLIC INSPECTION. THE DOCUMENTS ARE AVAILABLE UPON REQUEST OR CAN BE OBTAINED BY VISITING THE WEBSITE AT WWW.CMU.EDU.

FORM 990, PART VII, SECTION A, LINE 1A:

THE BOARD OF TRUSTEES MAY GRANT THE STATUS OF EMERITUS TRUSTEE TO THOSE MEMBERS WHO HAVE MADE DISTINGUISHED CONTRIBUTIONS TO THE UNIVERSITY AND

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WHO HAVE ATTAINED AT LEAST AGE 60 OR A MAXIMUM OF AGE 75. THE BOARD OF TRUSTEES MAY, AT ANY TIME OR FROM TIME TO TIME CHANGE THE AGE AT WHICH TRUSTEES MUST BE GRANTED EMERITUS, A STATUS, OR RESIGN FROM THE BOARD. EMERITUS/ A TRUSTEES SHALL BE WELCOME AT ALL FULL BOARD MEETINGS; ALL MEETINGS OF THE ADVANCEMENT, EDUCATIONAL AFFAIRS AND ENROLLMENT, AND RESEARCH, INNOVATION AND ENTREPRENEURSHIP COMMITTEES OF THE BOARD OF TRUSTEES; SHALL RECEIVE ALL NOTICES, MINUTES AND REPORTS OF SAID MEETINGS, SHALL BE FREE TO PARTICIPATE IN DISCUSSIONS, BUT SHALL BE WITHOUT A VOTE ON ANY MATTER. EMERITUS TRUSTEES SHALL BE WELCOME AT ALL BOARD AND UNIVERSITY EVENTS. THE FOLLOWING INDIVIDUALS WERE EMERITUS LIFE TRUSTEES OF CARNEGIE MELLON'S BOARD OF TRUSTEES:

PAUL A. ALLAIRE, ARTHUR H. ARONSON, JOHN BERTUCCI, CAROL R. BROWN, ROBERT M. BROWN III, W. LOGAN DICKERSON, PHILIP L. DOWD, DINA DUBLON, WILLIAM B. ELLIS, CYNTHIA FRIEDMAN, HENRY GAILLOT, CLAIRE W. GARGALLI, RICHARD D. HAMILTON, WILTON A. HAWKINS, TERESA HEINZ, ORION L. HOCH, T. JEROME HOLLERAN, W. LEE HOSKINS, JUSTIN M. JOHNSON, PATRICIA ASKWITH KENNER, DAVID M. KIRR, EDWARD E. LUCENTE, THOMAS A. MCCONOMY, JACK E. MCGRATH, REGINA GOUGER MILLER, LINDSAY J. MORGENTHALER, ALESSANDRO OVI, NORMAN F. PARKER, E. KEARS POLLOCK, CHARLES J. QUEENAN, JR. ESQ, JOHN G. RANGOS, SR., DAVID RODERICK, VINCENT A. SARNI, JOYCE B. SCOTT, DAVID S. SHAPIRA, RAYMOND W. SMITH, JAMES C. STADLER, W. LOWELL STEINBRENNER, DONALD E. STITZENBERG, JAMES M. WALTON, KONRAD M. WEIS.

FORM 990, PART VII, SECTION A, COLUMN B:

FOR EACH PERSON LISTED IN COLUMN A WHO IS AN EMPLOYEE OF CARNEGIE MELLON UNIVERSITY, THE AVERAGE NUMBER OF HOURS PER WEEK STATED IS 50

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HOURS PER WEEK; HOWEVER, THE ACTUAL NUMBER OF HOURS WORKED VARIES
BETWEEN 50-80 HOURS PER WEEK.

FORM 990, PART XI, LINE 9, CHANGES IN NET ASSETS:

LAMME UNREALIZED GAINS/LOSS	-82,789.
CHANGE IN SWAP VALUE NET OF INTEREST EXPENSE & OTHER	4,241,003.
NET GAIN FROM FUNDRAISING EVENTS	-141,123.
UNCOLLECTIBLE PLEDGE WRITE OFFS	-7,144,822.
TOTAL TO FORM 990, PART XI, LINE 9	-3,127,731.

FORM 990, PART XII, FINANCIAL STATEMENTS AND REPORTING:

CARNEGIE MELLON HAS AN AUDIT COMMITTEE OF THE BOARD OF TRUSTEES THAT IS
RESPONSIBLE FOR OVERSEEING THE AUDIT OF THE FINANCIAL STATEMENTS AND
THE SELECTION OF A CERTIFIED INDEPENDENT ACCOUNTING FIRM THAT AUDITS
THE FINANCIAL STATEMENTS. CARNEGIE MELLON'S FINANCIAL STATEMENTS ARE
CONSOLIDATED. THIS PROCESS HAS NOT CHANGED FROM THE PRIOR YEAR.

SCHEDULE R
(Form 990)

Department of the Treasury
Internal Revenue Service

Related Organizations and Unrelated Partnerships

► Complete if the organization answered "Yes" on Form 990, Part IV, line 33, 34, 35b, 36, or 37.

► Attach to Form 990.

► Go to www.irs.gov/Form990 for instructions and the latest information.

OMB No. 1545-0047

2017

Open to Public
Inspection

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Part I Identification of Disregarded Entities. Complete if the organization answered "Yes" on Form 990, Part IV, line 33.

(a) Name, address, and EIN (if applicable) of disregarded entity	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Total income	(e) End-of-year assets	(f) Direct controlling entity
CM SPE LLC - 25-0969449 5000 FORBES AVENUE PITTSBURGH, PA 15213	LEASEHOLDER	PENNSYLVANIA	354,084.	667,780.	CARNEGIE MELLON UNIVERSITY

Part II Identification of Related Tax-Exempt Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related tax-exempt organizations during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Exempt Code section	(e) Public charity status (if section 501(c)(3))	(f) Direct controlling entity	(g) Section 512(b)(13) controlled entity?	
						Yes	No
BENJAMIN GARVER LAMME SCHOLARSHIP FUND - 25-6030362, 5000 FORBES AVENUE, PITTSBURGH, PA 15213	FELLOWSHIP FUND	PENNSYLVANIA	501(C)(3)	509(A)(3)	CARNEGIE MELLON UNIVERSITY		X
JACK G. BUNCHE CHARITABLE FUND FOR CARNEGIE MELLON UNIVERSITY - 20-4393107, 5000 FORBES AVENUE, PITTSBURGH, PA 15213	GRANT FUND	PENNSYLVANIA	501(C)(3)	509(A)(3)	CARNEGIE MELLON UNIVERSITY		X
MPC CORPORATION - 25-1128244 5000 FORBES AVENUE PITTSBURGH, PA 15213	RESEARCH AND DEVELOPMENT	PENNSYLVANIA	501(C)(3)	509(A)(3)	N/A		X
THE DIETRICH FOUNDATION - 36-4711746 600 GRANT STREET, SUITE 5360 PITTSBURGH, PA 15219	PHILANTHROPY	PENNSYLVANIA	501(C)(3)	509(A)(3)	N/A		X

For Paperwork Reduction Act Notice, see the Instructions for Form 990.

Schedule R (Form 990) 2017

732222
04-01-17

Part III Identification of Related Organizations Taxable as a Partnership. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a partnership during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Predominant income (related, unrelated, excluded from tax under sections 512-514)	(f) Share of total income	(g) Share of end-of-year assets	(h) Disproportionate allocations?		(i) Code V-UBI amount in box 20 of Schedule K-1 (Form 1065)	(j) General or managing partner?		(k) Percentage ownership
							Yes	No		Yes	No	
CARNEGIE INNOVATIONS, LLC - 45-5177927, 11 STANWIX STREET, PITTSBURGH, PA 15222	EDUCATION	PA	CARNEGIE MELLON UNIVERSITY	RELATED	103,585.	-8,295,330.		X	N/A	X		90.00%
CL ACQUISITION, LLC 5000 FORBES AVENUE PITTSBURGH, PA 15213	NO ACTIVITY	PA	N/A	N/A	N/A	N/A	N/A		N/A	N/A		N/A
ICARNEGIE GLOBAL LEARNING, LLC - 38-3887172, 210 SIXTH AVENUE, SUITE 3570, PITTSBURGH, PA 15222	EDUCATION	PA	N/A	N/A	N/A	N/A	N/A		N/A	N/A		N/A
SYSTEMIQ, LLC - 35-2506816 5000 FORBES AVENUE PITTSBURGH, PA 15213	NO ACTIVITY	PA	N/A	N/A	N/A	N/A	N/A		N/A	N/A		N/A

Part IV Identification of Related Organizations Taxable as a Corporation or Trust. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, because it had one or more related organizations treated as a corporation or trust during the tax year.

(a) Name, address, and EIN of related organization	(b) Primary activity	(c) Legal domicile (state or foreign country)	(d) Direct controlling entity	(e) Type of entity (C corp, S corp, or trust)	(f) Share of total income	(g) Share of end-of-year assets	(h) Percentage ownership	(i) Section 512(b)(13) controlled entity?	
								Yes	No
ICARNEGIE, INC. - 01-0625769 4615 FORBES AVENUE PITTSBURGH, PA 15213	EDUCATION	PA	CARNEGIE MELLON UNIVERSITY	C CORP	0.	-65,531.	100.00%	X	
ICARNEGIE INTERNATIONAL LTD C/O APPLEBY, CANON'S COURT, 22 VICTORIA ST. PO BOX HM 1179, HAMILTON HMEX, BERMUDA	EDUCATION	BERMUDA	CARNEGIE MELLON UNIVERSITY	C CORP	0.	0.	100.00%		X
IRREVOCABLE TRUST AND ESTATE (2)	TRUST	FL		TRUST	0.	761,617.	100.00%		X
PERPETUAL TRUST (5)	TRUST	PA		TRUST	0.	4,036,027.	100.00%		X
REVOCABLE TRUST (1)	TRUST	PA		TRUST	234,260.	21,889,563.	100.00%		X

732224
04-01-17

Part V Transactions With Related Organizations. Complete if the organization answered "Yes" on Form 990, Part IV, line 34, 35b, or 36.**Note:** Complete line 1 if any entity is listed in Parts II, III, or IV of this schedule.**1** During the tax year, did the organization engage in any of the following transactions with one or more related organizations listed in Parts II-IV?

	Yes	No
a Receipt of (i) interest, (ii) annuities, (iii) royalties, or (iv) rent from a controlled entity	X	
b Gift, grant, or capital contribution to related organization(s)	X	
c Gift, grant, or capital contribution from related organization(s)	X	
d Loans or loan guarantees to or for related organization(s)		X
e Loans or loan guarantees by related organization(s)		X
f Dividends from related organization(s)		X
g Sale of assets to related organization(s)		X
h Purchase of assets from related organization(s)		X
i Exchange of assets with related organization(s)		X
j Lease of facilities, equipment, or other assets to related organization(s)	X	
k Lease of facilities, equipment, or other assets from related organization(s)		X
l Performance of services or membership or fundraising solicitations for related organization(s)		X
m Performance of services or membership or fundraising solicitations by related organization(s)		X
n Sharing of facilities, equipment, mailing lists, or other assets with related organization(s)		X
o Sharing of paid employees with related organization(s)		X
p Reimbursement paid to related organization(s) for expenses		X
q Reimbursement paid by related organization(s) for expenses	X	
r Other transfer of cash or property to related organization(s)		X
s Other transfer of cash or property from related organization(s)		X

2 If the answer to any of the above is "Yes," see the instructions for information on who must complete this line, including covered relationships and transaction thresholds.

(a) Name of related organization	(b) Transaction type (a-s)	(c) Amount involved	(d) Method of determining amount involved
(1) BENJAMIN GARVER LAMME SCHOLARSHIP FUND	C	62,624.	CASH
(2) JACK G. BUNCHE CHARITABLE BUNCHE FUND	C	1,057,218.	CASH
(3) MPC CORPORATION	C	3,336,337.	CASH
(4) THE DIETRICH FOUNDATION ADVANCED ROBOTICS FOR MANUFACTURING	C	12,768,628.	CASH
(5) INSTITUTE ADVANCED ROBOTICS FOR MANUFACTURING	Q	659,838.	CASH
(6) INSTITUTE	A	103,677.	CASH

Provide the following information for each entity taxed as a partnership through which the organization conducted more than five percent of its activities (measured by total assets or gross revenue) that was not a related organization. See instructions regarding exclusion for certain investment partnerships.

[illegible]

Part VII	Supplemental Information.
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Provide additional information for responses to questions on Schedule R. See instructions.

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